Koken®

EUROPE

50 years

ENGLISH GERMAN FRENCH

2024-25

Koken TOOL CO., LTD.

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	NUT GRIP®		TORXplus® (EP)		TORXplus® (IP)
	NUT GRIP® (3-ball)		Tamper-Resistant TORXplus® (EPR)		Tamper-Resistant TORXplus® (IPR)
	Surface Drive		LH-STIX® (LH-S)		Triple-Square(XZN)
	PATHFINDER®		Bit Holder		Triple-Square with Hole(XZN)
	Flare Nut		Phillips		Ribe-CV
	Square		Slotted		POLYDRIVE
	Double Square		Hexagon		Double-Hexagon
	Stud Bolt Puller		PZ		Socket Set on Rail
	NUTTWISTER®		Square Male		

Pictograms Mechanics / Specification

SODH-System	S.O.D.H®-System	thin	Thin-Walled(6-point)	1/4" 1/4"	1/4"(6.35mm) Sq. Dr.
SODH-System	S.O.D.H®-System (4750 series)	thin	Thin-Walled(12-point)	3/8" 3/8"	3/8"(9.5mm) Sq. Dr.
2 Two-Step Dog	Two-Step Dog	Magnet	with Magnet	1/2" 1/2"	1/2"(12.7mm) Sq. Dr.
3 Three-Step Dog	Three-Step Dog	20	20 tooth Gear	5/8" 5/8"	5/8"(15.9mm) Sq. Dr.
push Quick Release	Quick Release Button	24	24 tooth Gear	3/4" 3/4"	3/4"(19.0mm) Sq. Dr.
Flexible Head	Flexible Head	30	30 tooth Gear	1" 1"	1"(25.4mm) Sq. Dr.
Swivel Head	Swivel Head	36	36 tooth Gear	1-1/2" 1.1/2"	1.1/2"(38.1mm) Sq. Dr.
L/R Marking	L/R Marking	44	44 tooth Gear	2-1/2" 2.1/2"	2.1/2"(63.5mm) Sq. Dr.
OVAL Shank	Oval Shape Shank	45	45 tooth Gear	3-1/2" 3.1/2"	3.1/2"(88.9mm) Sq. Dr.
Wobble-Fix	Wobble-Fix	60	60 tooth Gear		Caution
		72	72 tooth Gear		Modification

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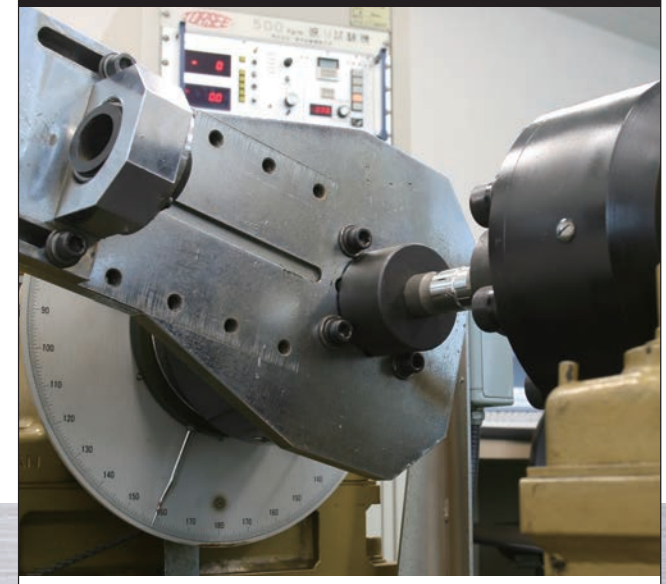
■ TEST AND LABORATORY
■ TESTLABOR
■ TEST AU LABORATOIRE

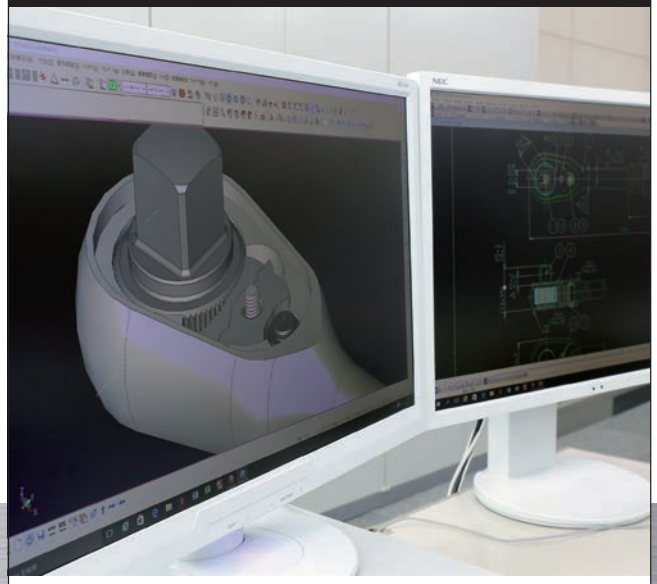


Ko-ken uses a variety of test equipment.
Strength is measured by the Static Load Test Machine that can measure torque load up to 5,000Nm. Durability is measured by the Cyclic Test Machine and corrosion resistance testing is done by the Salt Spray Test Machine. The test results are used to improve our standard products and assist with new product design and development.

Wir verfügen über die verschiedensten Testgeräte:
-Die Festigkeitseigenschaften der Werkzeuge werden mit einer statischen Drehmoment-Testmaschine, die Prüfdrehmomente bis 5.000Nm erzeugen kann, überprüft.
-Die Dauerbelastbarkeit wird mit einer Testmachine durchgeführt mit der die Werkzeuge zyklisch in langen Testreihen belastet werden.
- Der Korrosionsschutz wird regelmäßig mittels Salzsprühnebelprüfung kontrolliert.
Die gewonnenen Testergebnisse ermöglichen eine stetige Verbesserung der Standardwerkzeuge und helfen bei der Entwicklung neuer Produkte.

Ko-ken utilise plusieurs types de tests.
La résistance est mesurée par une installation de test à charge statique d'une capacité de 5.000 Nm. La durée de vie est déterminée par une machine à cycles et la résistance à la corrosion par une installation à projection de sel.
Les résultats de ces tests sont destinés à améliorer nos produits standards et à assister au développement de nouveaux produits.

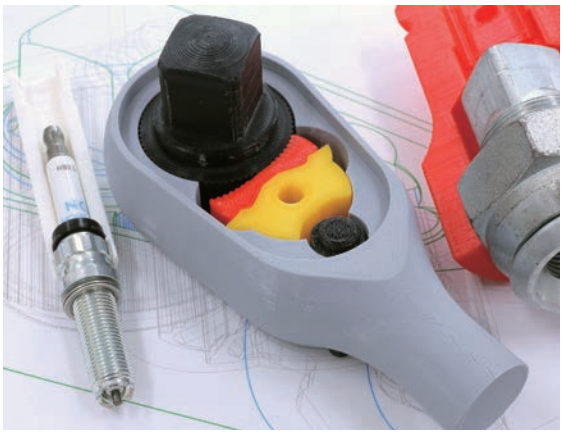
■ DESIGN AND DEVELOPMENT
■ ENTWICKLUNG UND DESIGN
■ DESIGN ET DEVELOPPEMENT



The 3D-CAD is used to improve standard products, designing new products and making customized items for special requirements. Trial products are regularly developed, manufactured and tested to improve the durability, appearance and functionality of all tools produced by Ko-ken.

3D-CAD Programme helfen uns sowohl, bei der Weiterentwicklung unserer Standardwerkzeuge, als auch beim Designen neuer Produkte und beim Entwerfen von Sonderanfertigungen.
Um die Zuverlässigkeit und Funktionalität unserer Werkzeuge zur verbessern, werden ständig Versuchswerkzeuge gefertigt.

La technique CAD-3D est utilisée pour l'amélioration des produits standards, le design des nouveaux produits et la réalisation d'outils spéciaux.
Des séries d'essai sont régulièrement développées, fabriquées et testées pour améliorer l'apparence et la fonctionnalité de tous les produits Ko-ken.



■ FORGING
■ SCHMIEDEN
■ FORGEAGE

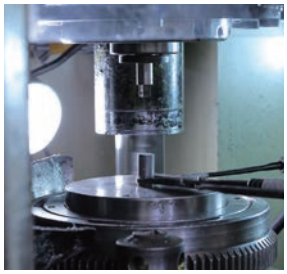
The Forming machines are used for the forging process. These machines can produce mass quantities of sockets and parts with high accuracy that ordinary drop forging machines can not achieve. On the other hand, ordinary forging machines are also used for small production runs.

Zum Schmieden verwenden wir eigene Umformmaschinen.

Diese Maschinen werden zur Produktion großer Stückzahlen von Steckschlüsseln und Betätigungswerkzeugen verwendet mit einer Genauigkeit, die mit normalen Gesenkschmiede Maschinen nicht gewährleistet werden kann.

Bei kleineren Fertigungsserien werden zur Fertigung auch kleinere Gesenkschmiedemaschinen verwendet.

Des machines de formage à froid sont utilisées. Ces machines peuvent produire en masse les douilles et accessoires avec une précision supérieure à la forge conventionnelle. Toutefois, pour des petites séries, des machines à forger traditionnelles sont également utilisées.



■ TURNING
■ DREHEN
■ TOURNASAGE

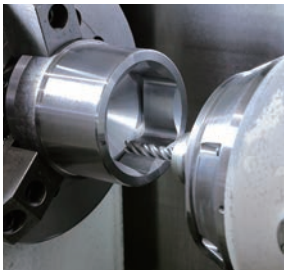
The forged steel is turned into required shapes and dimensions. The MC (Machining Center) operates with extraordinary speed and precision. The article number, size, logo, production number, and MADE IN JAPAN are marked on the products after the turning process has been completed.

Der geschmiedete Stahl wird nun auf die endgültige Form abgedreht.

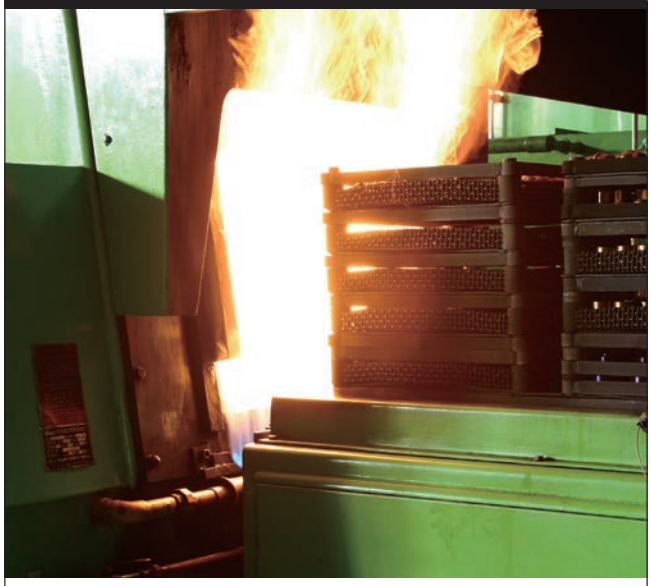
Unser Maschinenzentrum arbeitet hier mit außergewöhnlicher Geschwindigkeit und Präzision.

Nach dem Drehvorgang wird das Werkzeug mit Artikelnummer, Abmessung, Logo, Produktionsnummer und MADE IN JAPAN markiert.

Après la forge, les pièces sont usinées à la bonne dimension par tournage. Les centres d'usinage travaillent avec une précision et une vitesse extraordinaire.
Le numéro d'article, la dimension, le logo Ko-ken, un numéro de production ainsi que la mention « Made in Japan » sont gravés sur le produit après tournage.



■ HEAT TREATMENT
■ HÄRTEN
■ DURETE

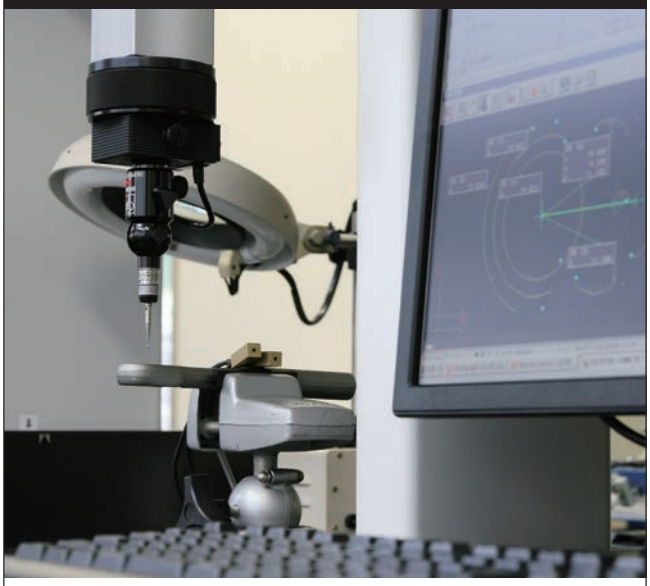


To make the tools stronger and more durable, proper heat treatment is critically important. The temperature and the time of the heat treatment are strictly regulated by a very accurate control device.

Um die optimale Stabilität und Festigkeit der Werkzeuge zu erreichen ist der Härtungsprozess der Werkzeuge von höchster Wichtigkeit.
Die hohe Genauigkeit von Temperatur- und Dauer der Wärmebehandlung werden durch sehr genaue Regeleinrichtungen in den Härteöfen erreicht.

Pour la résistance et la dureté de l'outil, un traitement thermique adapté est indispensable. Les températures et la dureté de traitement sont très précisément contrôlées.

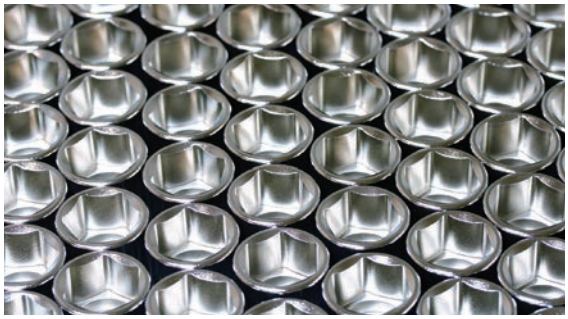
■ INSPECTION
■ MESSEN UND PRÜFEN
■ CONTRÔLE



Our products are periodically checked at each production process by inspection devices. Highly accurate 3-D measuring instruments are used to inspect and confirm dimensions.

Unsere Produkte werden periodisch nach jedem Produktionsprozess überprüft.
Hierzu verwenden wir sehr genaue 3D Messgeräte.

Nos produits sont contrôlés périodiquement à chaque étape de leur fabrication.
Des instruments de mesure en 3D, très précis sont employés pour la vérification des dimensions.



FLAT DRIVE®

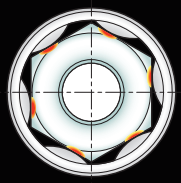
Flat Drive is designed to guarantee a flat surface contact between the socket and the bolt/nut.
The Flat contact reduces wear and allows to transmit a higher torque value.
The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket.

Das Flat Drive Design sorgt für die optimale Kraftübertragung zwischen den Flächen des Steckschlüssels und der Schraube. Dies erlaubt eine Übertragung von höheren Drehmomenten. Das Flat Drive System findet ebenfalls bei allen Antriebsvierkanten sowie bei 6-kant und 12-kant Profilen Verwendung.

Le profil Flat Drive garantit un contact optimal entre la douille et l'écrou. Ce contact « à plat » réduit l'usure et permet la transmission d'un couple plus élevé. Ce système Flat Drive est utilisé pour tous les carrés conducteurs ainsi que pour toutes nos douilles 6-pans et 12-pans.

SOCKETS
STECKSCHLÜSSEL
DOUILLES

SURFACE DRIVE



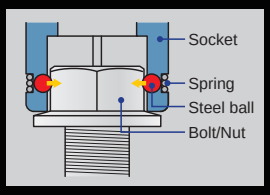
Surface drive sockets are designed to retain contact with the flat sides of the nut in order to reduce nut wear.
These sockets are ideal for using on polished nuts, aluminum nuts and nuts with worn out points.

Das Profil unserer Surface-Drive Steckschlüssel greift die Schraube an deren Flächen.
Dies sichert eine höhere Kraftübertragung und verhindert ein Durchrutschen des Steckschlüssels. Diese Steckschlüssel eignen sich besonders für polierte Schrauben, Aluminium Schrauben und Schrauben bei denen die Ecken bereits abgerundet sind.

Notre profil Surface Drive assure le contact entre la douille et les plats de l'écrou. Ceci réduit l'usure et permet la transmission d'un couple plus élevé. C'est une solution idéale pour les écrous polies, celles en aluminium ou arrondies.

NUT GRIP®

Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.



Die zwei Kugeln in der 6-kant Öffnung unserer NUT GRIP Steckschlüssel halten die Schraube sicher im Steckschlüssel. Dies erlaubt ein Arbeiten auch an schwer zugänglichen Stellen.

Les 2 billes dans l'ouverture du 6-pans de la douille retiennent l'écrou de manière sûre et efficace.

PATHFINDER®

The beveled flats of the 6-point opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for using with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

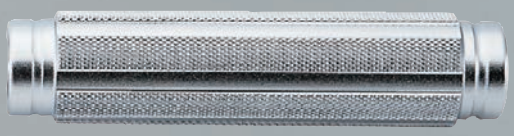
Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrspindelschrauber) ganz besonders auswirkt.

Les parois en biais du 6-pans des douilles PATHFINDER assurent l'engagement quasi immédiat de l'écrou. Le fait de ne pas devoir arrêter la machine après chaque serrage procure un gain de productivité particularité appréciable dans les chaînes de montage automatiques.

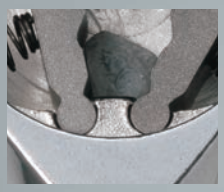
RATCHET HANDLE
KNARRENGRIFFE
MANCHE À CLIQUET

J-Type
Rubber Grip
Gummigriff
Manche en matière plastique

P-Type
Plain Grip
Glatter Griff
Manche lisse



N-Type
Knurled Grip
Gerändelter Griff
Manche moletée



SODH®-System

Two dogs are located in the ratchet body so that the dogs and springs are held securely in place, allowing the reversing lever and dog to switch smoothly.
The torque load on the gear is transmitted vertically to the dog, and in turn, down the ratchet handle. This mechanism locks gears tightly in place while torque is being applied, thus avoiding any gear slippage.

Die zwei Sperrklinken sind fest im Knarrenkörper verankert, die Federn sind dadurch fest fixiert.
Die Umschaltung der Knarre erfolgt leicht und sicher.
Die Kraft des Knarrenzahnrads wird vertikal auf die Sperrklinken übertragen, dadurch wird das Überspringen des Knarrenmechanismus sicher vermieden.

Les 2 rochets sont insérés dans le corps du cliquet. De ce fait les ressorts sont également fermement fixés. L'inversion se produit sans à-coups. Ce mécanisme assure aussi une transmission du couple sans risque de ripage.

Two-Step Dog

Two flats hold two teeth of the ratchet gear, thus increasing the maximum torque load of the ratchet compared with a single-step system.

Die Kraft wird über zwei Zähne des Knarrenzahnrades übertragen. Dies erlaubt eine höhere Kraftübertragung gegenüber Knarren mit einem Zahn Mechanismus.

La force est transmise par les deux dents du mécanisme. Ceci permet un couple plus élevé par rapport aux systèmes à une seule dent .

Three-Step Dog

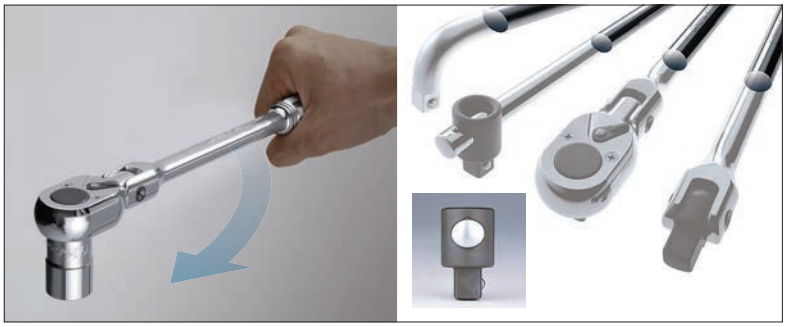
Two dogs are set in the same axis, and the three teeth hold the ratchet gear.
The enlarged contact area produces an about 10% higher torque value and the SODH®-System provides smooth and light movements.

Die scharnierartig eingelagerten Sperrklinken haben jetzt jeweils drei Zähne im Eingriff. Die dadurch vergrößerte Greiffläche erhöht das maximale Drehmoment um ca. 10%. Auch diese Knarre besticht durch ihren leichten und geschmeidigen Lauf.

Les deux rochets étant placés sur le même axe, les trois dents de l'engrenage sont engagées en permanence. Ce système assure une augmentation de 10% du couple maximum admissible. Ce cliquet se caractérise également par son fonctionnement souple et sans à-coup.

SHAPE OF HANDLE
FORMGEBUNG DER GRIFFE
MODELE DE POIGNEE

OVAL SHAPE SHANK



Unique designed oval shape shank provides extra strength and durability.

Der einzigartige ovale Schaftquerschnitt in Belastungsrichtung erhöht die Stabilität und Widerstandsfähigkeit.

La section ovale, orientée dans le sens de l'effort, confère à cet outil une résistance et une durée de vie incomparable.

KNURLING

Rotation and general handling of extensions with oily hands is greatly improved with the Koken developed 6 point knurling. Also the Koken 6 point knurling stops the extensions from rolling around the work area.

Durch die von Koken entwickelte 6 fache Rändelung wird die Handhabung deutlich erleichtert.
Außerdem wird das Herumrollen der Verlängerungen wirksam verhindert.

La manipulation des rallonges est grandement facilitée par le profil moleté développé par Koken. Ce même profile empêche le roulement intempestif des rallonges sur le plan de travail.

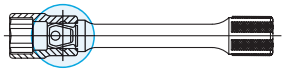
WOBBLE-FIX

TWO WAY USAGE
a) In a fixed position, as a normal extension bar
b) In a half-fixed position, as a flexible extension bar providing a 15° angle operation.

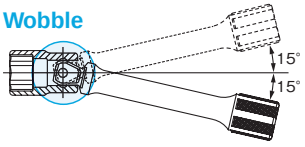
Winkelverlängerungen lassen sich in zwei Einstellungen verwenden
a) voll eingesteckt und starr
b) halb eingesteckt, mit einem Arbeitswinkel von 15°.

Deux utilisations possibles
a) comme rallonge normale, dans une position fixe
b) comme une rallonge angulaire avec une possibilité d'inclinaison jusqu'à 15°

Fix



Wobble



STUD BOLT PULLER / SETTER
STEHBOLZENAUSDREHER UND STEHBOLZENSETZER
EXTRACTEURS DE GOUJONS

STUD BOLT PULLER
STEHBOLZENAUSDREHER
DEGOUJONNEUSES

Hexagon body design can lessen the excessive load on cages and rollers inside the pullers.

Der neue Körper mit sechs Walzenmulden verteilt den Druck auf den Käfig und die Walzen weitaus vorteilhafter.

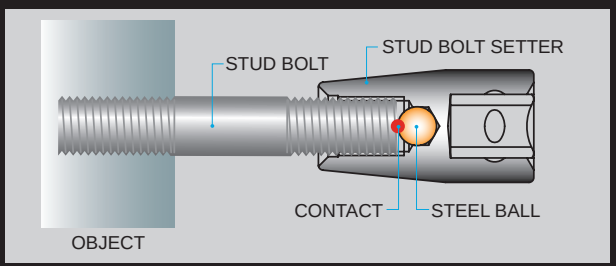
La forme hexagonale du corps améliore les tolérances.
Elle répartit l'effort de façon plus uniforme sur la cage et les rouleaux.

STUD BOLT SETTER
STEHBOLZENSETZER
MONTE-GOUJONS

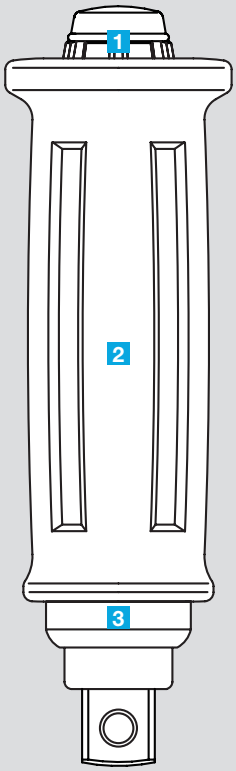
A special socket for installing a stud bolt.
Inside steel ball prevent the stud bolt stuck onto the socket. After installing a stud bolt, turn to anti-clockwise to removing the socket.

Spezialwerkzeug zum Setzen von Stehbolzen. Der Bolzen trifft im Werkzeug nur auf die gehärtete Stahlkugel, was die Kontaktfläche verringert. Nach dem Setzen des Stehbolzens kann das Werkzeug im Linkslauf vom Stehbolzen abgezogen werden.

Douilles spéciales pour monter les goujons.
Le goujon est en contact avec une bille d'acier pour l'empêcher d'adhérer à la douille.
Après avoir posé le goujon, tourner dans le sens antihorlogique pour le retirer



ATTACK DRIVER®



1 Black Finish - Schwarze Schlagplatte - Tête de frappe noire

Black finished head prevents peeling off the chrome plate by striking the head.
Der Schlagkopf wurde geschwärzt, um das Abblättern von Chrompartikeln zu verhindern.
La finition noire de la tête évite l' écaillage du chrome lors de la frappe.

2 Original Body Shape - Einzigartige Formgebung - Forme unique du corps

Original design of the body achieved higher grip.
Die Gestaltung des Handschlagschrauberkörpers erhöht Führung und Griffigkeit des Werkzeuges.
Le dessin original du corps permet une meilleure prise en main de l' outil.

1 3 Heat Treatment - Wärmbehandlung - Traitement thermique

Special heat treatment is applied on the body. Hardness of striking part is slightly softer to prevent cracks.
On the other hand, Cam part converts the striking power to twisted by striking with hammer, therefore, this part is finished with higher hardness to improve anti-wear.

Besondere Aufmerksamkeit wurde der Warmbehandlung des Körpers gewidmet, indem die Härte des Schlagendes leicht verringert wurde, um ein Reissen durch Hammerschläge zu vermeiden. Dagegen wurde die Härte und somit die Belastbarkeit in dem Teil des Körpers erhöht, wo der Schlag in Drehkraft umgesetzt wird.

Un traitement thermique spécifique est appliqué sur le corps de l' outil. La dureté des parties de frappe est légèrement inférieure pour diminuer le risque de casse. D' un autre côté, le mécanisme qui transforme la force de frappe en rotation est plus dure pour augmenter la résistance à l' usure.

3 Spring - Feder - Ressort

Stronger spring is adapted to convert the striking power efficiently to twisting power.
Eine extrem widerstandsfähige Feder sorgt für die unmittelbare Übertragung der Schlagkraft und ihre Umsetzung in wirksame Drehkraft.
Un ressort très résistant est monté sur l' outil pour convertir la force de frappe en force de torsion très efficace.

FREE-TURN GRIP

SPINNING CROSS WRENCH
DREHBARER KREUZSCHLÜSSEL
CLE EN CROIX RAPIDE

The shaft of cross wrench turns freely inside the knurled grip. The cross bar is removable for easy storage in a compact space.

Der Schaft des Kreuzschlüssels dreht sich frei in dem kordierten Griff. Die Querstange kann entnommen werden, das erlaubt eine platzsparende Aufbewahrung (z.B. im Fahrzeug)

La tige de la clé tourne librement dans sa poignée gaufrée.
La barre transversale est démontable pour le rangement aisé de l'outil.

FLEXIBLE SPEEDER
GELENKGRIFF-WINDE
VILEBREQUIN RAPIDE

Free-turn grip allows speedy removal or replacement of wheel nuts. It can also be used as a hinge handle to tighten or loosen the nuts.

Der frei laufende Griff ermöglicht eine schnelle Radmontage. Das Werkzeug kann zusätzlich als Gelenkgriff verwendet werden.

La poignée à rotation libre permet l'enlèvement et la pose rapide des écrous de roue.
Elle peut également être utilisée comme poignée articulée.

SPINNING SLIDE T-HANDLE
FREILAUF T-GRIFF
POIGNEE EN T RAPIDE

The knurled grip is attached in the middle of shaft for free turning. Oval shaped cross bar prevents the bar from turning inside the shaft during use.

Der kordierte Freilauf-Griff befindet sich in der Mitte des Schaftes. Der Quergriff mit ovalem Querschnitt verhindert das Verrutschen.

La poignée gaufrée est fixée au milieu de la tige et est à rotation libre.
La barre transversale est de forme ovale pour l'empêcher de tourner pendant l'utilisation.

IMPACT WHEEL NUT SOCKET
IMPACT RADMUTTERN STECKSCHLÜSSEL
DOUILLES POUR ÉCROUS DE ROUE, IMPACT

PLASTIC PROTECTOR
KUNSTSTOFF HÜLSE
PROTECTION EN PLASTIQUE

A detachable plastic protector is fitted to the socket to prevent damage to the wheel when working in tight areas.
The socket size and Ko-ken Mark printed on the shaft makes it easier to see if the socket is still rotating or stopped.

Zum Schutz empfindlicher Leichtmetallfelgen ist eine drehbare und abnehmbare Kunststoff Hülse an dem Steckschlüssel montiert. Die aufgedruckten Markierungen am Werkzeugschaft zeigen außerdem ob das Werkzeug steht oder rotiert.

La douille est pourvue d'un insert en plastique détachable. Il sert à prévenir tout dommage aux jantes lors de l'utilisation des douilles.
Le marquage sur la tige rend l'identification des douilles très facile.

EXTRA THIN-WALLED
EXTRA DÜNNWANDIG
PAROIS EXTRA MINCES

Thin-walled shape and 110mm length gives extra reach for nuts recessed deep inside the wheel.
They are ideal for aluminum wheel nuts where access to nut is very tight. Colour coded shafts make size identification easy.

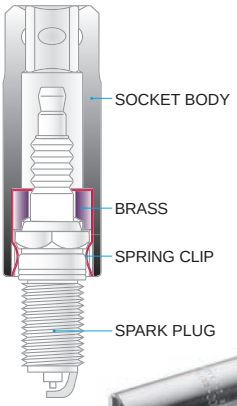
SPARK PLUG SOCKET
ZÜNDKERZEN STECKSCHLÜSSEL
DOUILLES AVEC RESSORTS RETENUE POUR BOUGIES

CLIP TYPE

This revolutionary new spark plug socket is designed to securely grip a spark plug at its hexagonal part by two stainless spring clips.
An internal brass guide holds the clips in place, which ensures perfect alignment of the spark plug into the threaded plughole of the cylinder head, thus preventing thread damage.
The brass guide also eliminates stress loading and possible damage to the ceramic insulator of the spark plug.

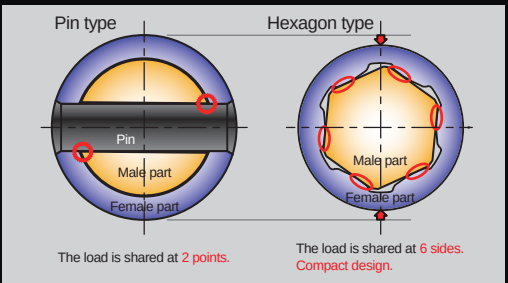
Zwei solide Federn aus rostfreiem Stahl fassen den Sechskant der Zündkerze und drücken ihn an den Anschlag der Messing-Führungsbuchse. Jetzt sitzt die Kerze genau senkrecht zur Achse des Steckschlüssels. Das Einschrauben kann ohne Beschädigung der Gewindegänge im Motorblock und ohne Druck auf den Isolator der Kerze erfolgen.

Deux puissants ressorts en acier inoxydables maintiennent la bougie sur sa partie hexagonale tout en l'appliquant contre la douille de guidage en laiton. L'alignement parfait de la bougie dans l'axe de l'outil permet à l'opérateur de poser celle-ci avec beaucoup de précision en réduisant au maximum les risques d'endommagement au filetage du bloc ainsi qu'à la partie en céramique de la bougie.



Universal Joint
Universal Gelenk
Joint universel

Hexahedral engagement achieved with compact design



Ball type universal joints use a new structure of joint mechanism without a pin. Being connected by mutually engaged hexahedrons, the load is dispersed across the whole outer circumference.
High durability is obtained with this innovative, compact design.

Unsere neuen Kugelgelenke haben einen Gelenkmechanismus ohne Bolzen. Durch die miteinander verbundenen sechs Flächen wird die Last über den gesamten Außenumfang verteilt.
Diese innovative kompakte Bauweise erhöht die Lebensdauer des Gelenkes erheblich.

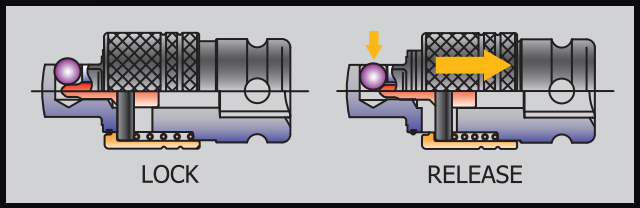
Nos joints articulés utilisent un nouveau mécanisme d'articulation sans boulons.
Grâce aux six surfaces interconnectés, la charge est répartie sur toute la circonférence extérieure.
Cette conception innovante et compacte augmente considérablement la durée de vie de l'articulation.

Locking Adaptor
VERRIEGELUNGSADAPTER
l'ADAPTATEUR DE VERROUILLAGE

Impact sockets can be attached or detached on the LOCKING ADAPTOR for safety just by sliding the holder rather than using a pin and an O-ring.
It can reduce the time to change a socket, especially when you need to use a variety of socket sizes.

Die Kraftschraubereinsätze werden durch einfaches Verschieben der Hülse am Adapter, ohne Verwendung von Stift und O-Ring, sicher gehalten bzw. entriegelt.
Die Zeit für den Wechsel eines Steckschlüssels wird dadurch deutlich verkürzt, insbesondere wenn Sie eine Vielzahl von verschiedenen Abmessungen verwenden müssen.

Vos douilles à chocs peuvent être facilement maintenues et libérées en déplaçant le support de l'adapteur sans devoir utiliser la goupille et le joint.
Le temps nécessaire pour changer une clé à douille est considérablement réduit, surtout si vous devez utiliser une variété de dimensions différentes.



NUTTWISTER®

The NUTTWISTER's six teeth have a special helical structure that tapers inward, locking onto the rounded-off bolt or nut for removal.
NUTTWISTER can be applied to any round bolts like stud bolts, cap bolts, provided the correct size is used and the bolt or nut is unbroken.

Die sechs Zähne des NUTTWISTER's haben eine spezielle schraubenförmige Struktur, die sich nach innen verjüngt und sich dadurch mit der abgerundeten Schraube oder Mutter verbeißt.
Der NUTTWISTER kann auf alle Rundbolzen wie Stehbolzen und Zylinderschrauben verwendet werden, unter Vorrausetzung dass die richtige Größe verwendet wird und die zu lösende Schraube oder Mutter nicht gebrochen ist.

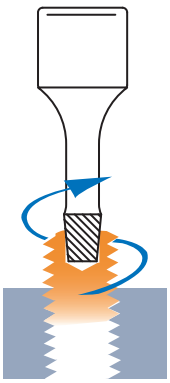
Les six dents du NUTTWISTER ont une structure hélicoïdale spéciale qui se rétrécit vers l'intérieur et mord avec la vis ou l'écrou arrondi.
Le NUTTWISTER peut être utilisé sur tous les boulons ronds tels que les boulons filetés et les vis à tête cylindrique, à condition que la taille correcte soit utilisée et que la vis ou l'écrou à desserrer ne soit pas cassé.

BOLTTWISTER®

Use the BOLTTWISTER to remove a broken bolt whose head has come off.
After drilling a hole in the center of the broken bolt, insert BOLTTWISTER into the hole and turn it counterclockwise until it sticks.
The bolt can be removed by continuing to turn it.

Verwenden Sie unsere BOLTTWISTER um gebrochene Schrauben deren Kopf abgebrochen ist zu lösen.
Nachdem Sie ein Loch in der Mitte des gebrochenen Bolzens gebohrt haben, stecken Sie den BOLTTWISTER in das Loch und drehen ihn gegen den Uhrzeigersinn bis er klemmt.
Der Bolzen kann nun durch weiteres Drehen entfernt werden.

Utilisez notre BOLTTWISTER pour enlever une vis cassée dont la tête est cassée.
Après avoir percé un trou au centre du boulon cassé, insérez le BOLTTWISTER dans le trou et tournez le dans le sens inverse des aiguilles d'une montre jusqu'à ce qu'elle se bloque.
Le boulon peut maintenant être retiré en le tournant davantage.



License / Lizenzen / Licence

TORX® / TORX plus® & LHSTIX®

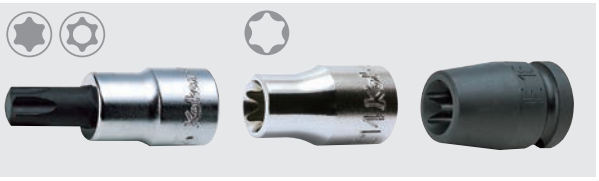
TORX® / TORX plus® and LHSTIX® are recognized as three of the most efficient fastening systems because of their ability to transfer greater torque, reduce end load and virtually eliminate tool slippage.

Durch die Fähigkeit größere Drehmomente zu übertragen sind TORX® / TORX plus® und LHSTIX® bekannt als die drei effizientesten Befestigungssysteme.

TORX® / TORX plus® et LHSTIX® sont reconnus comme étant trois systèmes de vissage particulièrement efficaces. Ils permettent en effet de transmettre des couples particulièrement élevés.

TORX® & TORX plus®

TORX®



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LHSTIX®

LHSTIX®

Line Head Straight
LH-S series

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Koken®

工研®

Koken TOOLS®

Koken TOOL CO., LTD.®

HIGH PERFORMANCE TOOLS OF CONVINCING QUALITY

山下工業研究所®
山下工研®
SODH®-System
Flatdrive®
ATTACK DRIVER®
HANDY-ENDY®
PATHFINDER®
Nut Grip®
LOCK NUT BUSTER®
NUT TWISTER®
BOLT TWISTER®

Ko-ken Factory / Das Ko-ken Werk / L'usine Ko-ken

Warranty / Garantie / Garantie

WARRANTY

The trade mark Koken is your unqualified warranty against any defect in material or workmanship. Each Koken tool is built to more than meet the requirements of its intended use and is carefully checked before leaving the factory. Any Koken tool which fails because of defective material or workmanship will be repaired or replaced through your Koken dealer, to the exclusion of any further liability.

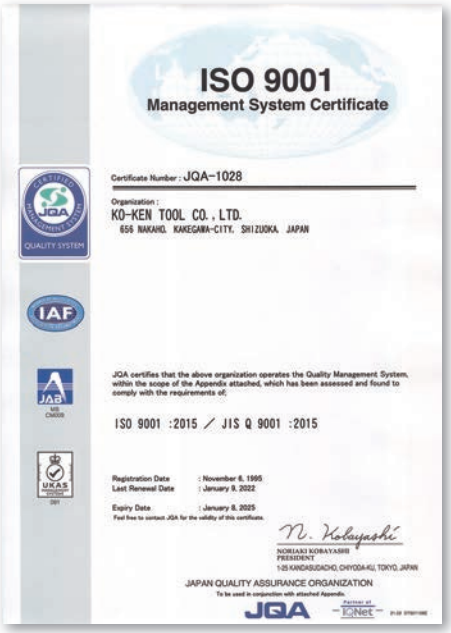
GARANTIE

Koken TOOL CO.,LTD. Shizuoka, Japan, garantiert Ihnen die einwandfreie Qualität und Ausführung ihrer Produkte. Jedes Werkzeug der Marke Koken ist für Höchstleistungen konstruiert und wird vor Verlassen der Fabrik sorgfältig geprüft. Koken TOOL CO.,LTD. repariert oder ersetzt über ihre Händler unter Ausschluss jeglicher weitergehenden Haftung jedes fehlerhafte Koken Produkt kostenlos.

GARANTIE

La fabrique Koken TOOL CO.,LTD. Shizuoka, Japon, garantit la qualité irréprochable et le traitement absolument impeccable des outils portant la marque Koken. Chaque outil Koken quittant la fabrique est contrôlé soigneusement. La fabrique s'engage à réparer ou remplacer gratuitement tout défaut de matière ou de fabrication par l'intermédiaire de ses distributeurs, à l'exception d'une responsabilité étendue.

ISO9001


ISO 9001
Management System Certificate

Certificate Number : JQA-1028

Organization :
KO-KEN TOOL CO., LTD.
656 NAKAHO, KAKEGAWA-CITY, SHIZUOKA JAPAN

JQA certifies that the above organization operates the Quality Management System, within the scope of the Appendix attached, which has been assessed and found to comply with the requirements of:

ISO 9001 :2015 / JIS Q 9001 :2015

Registration Date : November 6, 1995
Last Renewal Date : January 9, 2022
Expiry Date : January 8, 2025

NORIAKI KOBAYASHI
PRESIDENT
1-25 KANDASUDACHO, CHIYODA-KU, TOKYO, JAPAN

JAPAN QUALITY ASSURANCE ORGANIZATION

JQA

ISO 9001
Appendix

Certificate Number : JQA-1028

Organization :
KO-KEN TOOL CO., LTD.

JAPAN QUALITY ASSURANCE ORGANIZATION

JQA

SAFETY ADVISER

SICHERHEITS-RATGEBER

MESURES DE SÉCURITÉ

General / Allegemeines / Généralités

(a) Make sure you use the right type socket, whose opening fit the nut.

Verwenden Sie immer den richtigen Steckschlüssel und überzeugen Sie sich davon, ob er auch auf die Mutter passt.

Utilisez toujours la bonne clé et assurez-vous qu'elle est rigoureusement adaptée à l'écrou.

(b) For use on electric or air IMPACT Wrenches select IMPACT Sockets only.

Auf elektrischen oder pneumatischen Schlagschraubern dürfen nur hoch belastbare IMPACT-Steckschlüssel und Zubehörteile gesteckt werden.

Sur des vis à fixer par machines à chocs pneumatiques ou électriques n'utilisez que des clés à douille IMPACT et des accessoires IMPACT capables de résister à une haute sollicitation.

(c) When using nut runners or IMPACT Wrenches wear safety goggles.

Tragen Sie bei der Anwendung von Schraubern stets eine Schutzbrille.

En opérant avec des visseuses et des machines à chocs, portez toujours des lunettes de protection.

(d) Plastic or rubber handles are not intended to act as insulation.

Plastik-oder Gummigriffe stellen keinen Isolierschutz dar.

Les poignées en plastique ou en caoutchouc ne garantissent aucune isolation électrique.

(e) Never substitute a HAND Socket for a INDUSTRIAL Socket or an IMPACT Socket, or a INDUSTRIAL Socket for an IMPACT Socket.

Nehmen Sie deshalb niemals anstelle eines INDUSTRIAL-oder IMPACT-Werkzeuges ein HAND-Werkzeug oder anstatt eines IMPACT-Werkzeuges ein INDUSTRIAL-Werkzeug.

Ne vous servez donc jamais d'un outil à main au lieu d'un outil INDUSTRIAL ou IMPACT ou d'un outil INDUSTRIAL au lieu d'un outil IMPACT.

(f) Items in this catalogue marked ⚠ can be loaded to torque values which may cause breakage. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch, und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Céci pour éviter ruptures et accidents.

(g) Make sure to lock the impact sockets on driving tools with Pin / O-Ring or C-Ring.

Verwenden Sie Impact Steckschlüssel nie ohne Sicherungsring und Stift oder alternativ mittels unserer C-Ringe.

Ne jamais utiliser de douille à choc sans sécurité. (Anneau et goupille ou crochet en C)

Sockets / Steckschlüssel / Douilles

Sockets showing cracked walls, battered points or other marks of wear are to be replaced.

Steckschlüssel mit Haarrissen, abgestossenen Kanten oder mit anderen Verbrauchserscheinungen sind umgehend zu ersetzen.

Les clés qui présentent des fissures capillaires, ou autres signes d'usure doivent être immédiatement changées.

Ratchets/Handles / Knarren/Griffe / Cliquets/Poignées

A ratchet is not a hammer.

Eine Knarre ist kein Hammer.

Un cliquet n'est pas un marteau.

Never use loose pipes or other improvised attachments on handles for increased leverage.

Setzen Sie niemals lose Rohre oder andere Hilfsstücke auf Steckschlüsselgriffe, um dadurch eine höhere Drehkraft zu erzeugen.

Ne mettez jamais de tubes ou autres pièces auxiliaires sur les poignées des clés à douille dans le but d'obtenir un couple de serrage plus éleve.

Extension Bars / Verlängerungen / Rallonges

The combination of several short extensions instead of one correct sized one is to be avoided.

Das Zusammenstecken von mehreren kurzen Verlängerungen als Ersatz für eine in der richtigen Länge ist unbedingt zu vermeiden.

Il faut absolument éviter d'utiliser plusieurs rallonges courtes au lieu d'une seule ayant la bonne longueur.

Adaptors / Verbindungsstücke / Réducteurs

Adaptors are to be used reasonably. Be reminded that high torque potentials are reached when using a "down" adaptor, a bigger sized handle to a smaller drive socket. Always stay within safe limits.

Reduzierstücke sind mit Vernunft einzusetzen. Beachten Sie, dass bei der Verwendung von Reduzierstücken hohe Drehmomentwerte ausgelöst werden nämlich dadurch, dass grössere Griffe auf kleinere Steckschlüssel gesetzt werden. Bleiben Sie jeweils innerhalb der Sicherheitsgrenzen.

Les réducteurs doivent être utilisés avec modération. Il est à considérer qu'avec les réducteurs on obtient un couple de serrage élevé du fait que des poignées plus grandes sont appliquées sur des clés à douille plus petites. Ne dépassez pas les limites de sécurité.

Z-SERIES
Z-SERIE
SERIES-Z

Koken Z-series

Z series - Evolution of Automotive service Lineup

Z-series MOVIE

- CONCEPT -

Continued advancements in engine designs and structures are producing engines that are more complex and compact.
Work environments are being transformed to cater towards increased demands on auto mechanics.
We at Ko-ken TOOL CO., LTD., specialists in socket wrench manufacturing, have been committed to the development of automotive tools that are more suitable by pouring in our passion for perfecting hand tools and utilizing our experience obtained through over half a century of manufacturing to create the Z series.
"Z" stands for "zeal". Through their unequaled performance, Z-Series tools are certain to become the mechanic's new standard for the next generation of automotive tools.

- Konzept -

Der ständige Fortschritt im Motorenbau führt zu immer komplexeren und kompakteren Motoren.
Die Arbeitsmittel für den Automechaniker sollten auf diese neuen Anforderungen ausgerichtet sein.
Wir, Ko-ken TOOL CO., LTD. als Spezialisten in der Herstellung von Steckschlüsseln, fühlen uns im besonderen Masse verpflichtet Werkzeuge zur Verfügung zu stellen, die diesen ständig veränderten Anforderungen gerecht werden.
Unsere langjährige Erfahrung und unser absoluter Wille zur Perfektion halfen uns bei der Entwicklung der neuen Z-Serie.
Das „Z" steht hier für das englische Wort ZEAL (Begeisterung).
Durch ihre beispiellose Leistung werden die Werkzeuge der Z-Serie zum neuen Standard der nächsten Generation von KFZ-Werkzeugen.

- Concept -

L'évolution continu des moteurs en matière de performance et design fait qu'ils deviennent de plus en plus complexes et compacts.
De ce fait, l'environnement de travail du mécanicien doit être adapté.
Chez Ko-ken TOOL CO., LTD., spécialiste dans la fabrication des clés à douilles, nous nous sommes dévoués à optimiser le travail du mécancien en lui fournissant le parfait outil. C'est avec l'expérience d'un demi-siècle dans la production de l'adaptation à la demande du marché que nous avons réussi à développer la serié „Z".
„Z" vient du mot anglais „Zeal", ce qui signifie enthousiasme. De manière inédite, les douilles de la série „Z" deviendront le nouveau outil standard pour le mécanicien de demain.

- OVERALL - - Allgemein - - Généralités -

• Designed for best performance

The designs were thoroughly reviewed to produce the Z-series.
All items in this series are now more compact.
Foregoing standards, radical design concepts have been implemented in producing the Z series which enables maximum potential in all professional mechanics.

· Konzipiert für eine bessere Leistung

Das Design der Z-Serie wurde komplett überdacht. Alle Artikel dieser Serie sind im Allgemeinen kompakter als die herkömmlichen Steckschlüssel.
Zukunftsweisende Standards und innovative Designkonzepte sorgen für ein optimiertes Anwendungspotenzial für den professionellen Mechaniker.

· Élaborée pour une meilleure performance

Un nouveau design a été spécialement conçu pour la série Z. Tous les articles sont plus compacts par rapport aux douilles normales.
Un standard futuriste et une conception innovatrice garantissent un usage optimal au mécanicien professionnel.

• Tolerance – Square drive

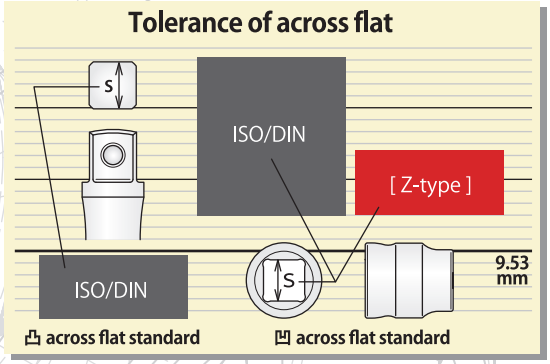
Movement at the joint between a socket and a ratchet or other drive accessory has been accepted as unavoidable.
To reduce this movement, we thoroughly reviewed dimensional accuracy of all the joint parts of Z-Series, and any movement in the rotating direction has now been minimized through production technologies.

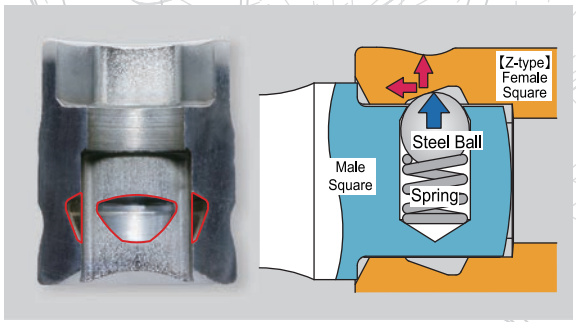
· Toleranz Antriebsvierkante

Das Spiel an den Verbindungsstellen zwischen Steckschlüssel und Knarre oder zwischen anderen Betätigungselementen wurde bisher als unvermeidbar angesehen.
Um dieses Spiel zu verringern wurden die Toleranzen aller möglichen Verbindungsstellen bei der Z-Serie verringert.
Durch besondere Produktionstechniken wurde erreicht, dass es nun kaum noch Spiel in der Rotationsachse der Verbindungen mehr gibt.

· Tolérance – carré entraînant

Depuis toujours le jeu inévitable lors du raccord entre la douille et le cliquet, ou tout autre accessoire, a été déclaré comme inévitable.
Pour réduire ce jeu, nous avons vérifié à fond l'exactitude des dimensions sur les raccords et grâce à notre technologie de production les rotations possibles ont pu être minimisées pour la série „Z".





• Ball Holding Groove

The new Ball Holding system was installed. Any movement in the connecting direction has been reduced by a mechanism that pulls the parts together.

· Kugelfang

Die Werkzeuge der Z-Serie verfügen über spezielle Kugelfangrillen die eine noch sicherere Verbindung zwischen Betätigungswerkzeug und Steckschlüssel gewährleisten.

· Rainure pour bille

Un nouveau système de rainure pour bille a été installé. Tout mouvement dans le raccordement a été réduit par un mécanisme qui tire sur les parties raccordantes.

- REVERSIBLE RATCHET - - Knarre, verstellbar - - Cliquet, réversible -

• 72 tooth gear Ratchet Handle - Light Ratchet Movement

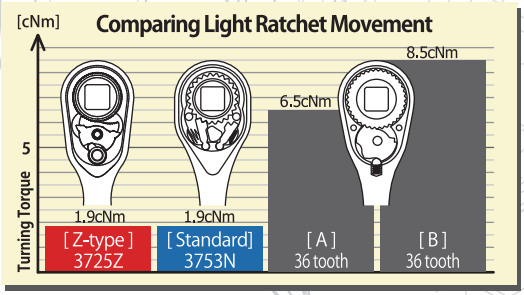
This ratchet handle has a new mechanism for enhanced usability.
This Ratchet has incredibly light turning torque that enables working on loosely tightened bolts.
With the compact head and balanced design, the Z-Series ratchet has evolved into what can be called the "ideal ratchet handle".

· Leichtgängiger 72 Zahn Knarren Mechanismus

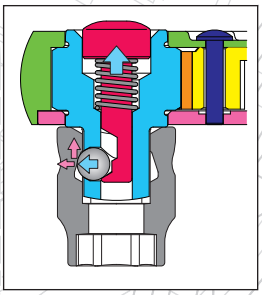
Diese Knarre verfügt über ein neues, sehr leichtgängige Getriebe mit 72 Zähnen.
Nach dem Lösen der Schraube genügt meist deren Gewindereibung um den Mechanismus der Knarre auszulösen.
Das ausgeglichene Design und der kompakte Knarrenkopf machen die Knarren der Z-Serie zur idealen Knarre.

· Cliquet à manche à 72 dents – cliquet à mouvement facile

Ce cliquet dispose d'un mécanisme à 72 dents permettant un usage élargi dû au mouvement facile du cliquet.
Pour nous, les cliquets de la série „Z" avec leurs têtes compactes et le design équilibré, sont les „cliquets à manche idéaux".



A, B : Other brand



• Push release : Locking type

Innovative new locking mechanism is installed. This new mechanism achieved both of locking a socket and also unique feature of Z-series pulls parts together for tight connection.

· Knarre verstellbar mit Entriegelungsknopf

Der neue Mechanismus sorgt sowohl für einen sicheren Halt, als auch für einen fast spielfreien Sitz des Steckschlüssels auf dem Antriebsvierkant. Dies ist einzigartig bei der Z-Serie.

· Manche du cliquet

Le nouveau mécanisme assure un maintien sûr des douilles ainsi qu'un verrouillage presque sans jeu sur l'entraînement carré, une caractéristique unique de la série Z.

- SOCKETS - - Steckschlüssel - - Douilles -

• Compact

The length and diameter of sockets have been significantly reduced.
Ideal for working in confined and tight areas.

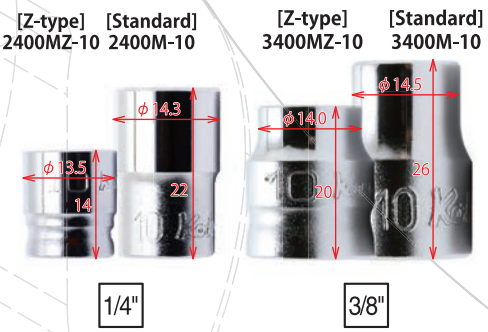
· Kompakt

Die Gesamtlänge und der Aussendurchmesser der Steckschlüssel wurden stark reduziert, dies erlaubt ein Arbeiten an schwer zugänglichen Stellen.

· Compact

La longueur intégrale et le diamètre des douilles sont remarquablement réduits, ce qui permet de travailler dans des endroits étroits ou difficilement accessibles.

- Comparison of 10mm Sockets-



• Tolerance -Hexagon Opening.

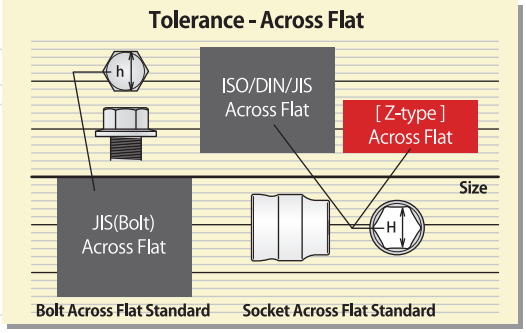
Foregoing the ISO and DIN standards, radical design concepts have been implemented in producing the Z series which enables maximum potential in all professional mechanics.

· Toleranzen der 6-kant Öffnungen

Bewährte Standards nach (DIN und ISO) einhaltend und innovative Design Konzepte sorgen für ein optimiertes Anwendungspotenzial für den professionellen Mechaniker.

· Tolérances des ouvertures hexagonales

Un standard préalable (ISO et DIN) et une conception innovative sont implantés dans la production des produits „Z" pour en sortir un potentiel de travail maximal pour le mécanicien professionel.

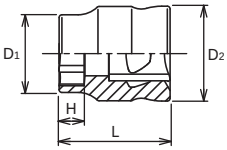


1/4”

2400MZ

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

FLAT DRIVE®



2400MZ (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	6.4	11	3	14	6	10
4.5	7	11	3	14	6	10
5	7.6	11	3	14	6	10
5.5	8.2	11	3.5	14	6	10
6	8.8	11	3.5	14	6	10
7	9.9	11	3.5	14	6	10
8	11.1	11.7	4.5	15	7	10
10	13.5	12.5	7	15	8	10
11	14.7	13.2	7	15	9	10
12	15.9	14.4	7	15	11	10
13	17.1	15.6	7	15	14	10
14	18.3	16.8	7	15	16	10

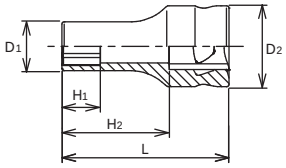
RS2400MZ/12

Socket Set on magnetic Rail
Steckschlüsselsatz auf Magnetschiene
Jeu de douilles sur rail à aimant

RS2400MZ/12	12 Pieces Set/Rail 200mm	(g)
4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14		228

2300XZ

6-point Sockets, Semi-Deep
6-kant Steckschlüssel, mittel-lang
Douilles, semi-profondes 6-pans



2300XZ (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
5.5	8.2	11	6	20	30	10	10
6	8.8	11	7	20	30	10	10
7	9.9	11	8	20	30	11	10
8	11.1	11.7	9	20	30	13	10
10	13.5	12.5	11	20	30	16	10
11	14.7	13.2	12	20	30	19	10
12	15.9	14.4	13	20	30	22	10
13	17.1	15.6	14	20	30	26	10
14	18.3	16.8	14	20	30	30	10

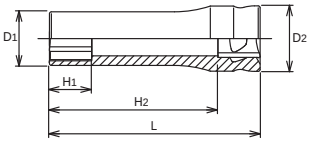
RS2300XZ/9

Socket Set on magnetic Rail
Steckschlüsselsatz auf Magnetschiene
Jeu de douilles sur rail à aimant

RS2300XZ/9	9 Pieces Set/Rail 200mm	(g)
5.5, 6, 7, 8, 10, 11, 12, 13, 14		290

2300MZ

6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans



2300MZ (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
4	6.4	11	5	41	50	14	10
4.5	7	11	5.5	41	50	16	10
5	7.6	11	6	41	50	16	10
5.5	8.2	11	6.5	41	50	16	10
6	8.8	11	7	41	50	17	10
7	9.9	11	8	41	50	20	10
8	11.1	11.7	9	41	50	22	10
10	13.5	12.5	11	41	50	29	10
11	14.7	13.2	12	41	50	33	10
12	15.9	14.4	13	41	50	40	10
13	17.1	15.6	14	41	50	45	10
14	18.3	16.8	16	41	50	51	10

RS2300MZ/12

Socket Set on magnetic Rail
Steckschlüsselsatz auf Magnetschiene
Jeu de douilles sur rail à aimant

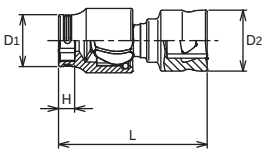
RS2300MZ/12	12 Pieces Set/Rail 200mm	(g)
4, 4.5, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14		445

NUT GRIP®

2441MZ

Nut Grip Universal Sockets **Nut Grip®**
Gelenk-Einsätze mit zweifacher Kugelhalterung
Douilles articulées à billes de retenue

	2441MZ (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
New	**8**	12.3	11.7	4.5	30.5	18	10
New	**10**	14.3	11.7	4.5	30.5	20	10
New	**12**	16.8	11.7	5.5	31.5	25	10
New	**13**	18	11.7	5.5	31.5	27	10
New	**14**	20	11.7	7	33	31	10

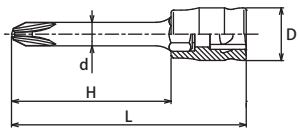


2000Z-28 / -50

PH Bit Sockets
Steckschlüssel für Kreuzschlitzschrauben, PH
Douilles tournevis pour vis à empreinte PH

2000Z-28 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	11.2	12	28	9	10
2	11.2	12	28	10	10
3	11.2	12	28	10	10

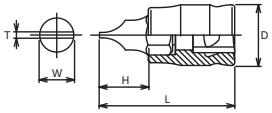
2000Z-50 (PH)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	11.2	4	34	50	11	10
2	11.2	5	34	50	13	10
3	11.2	–	34	50	16	10



2005Z-25

Bit Sockets for Slotted Head
Steckschlüssel für Schlitzschrauben
Douilles tournevis pour vis à fente

2005Z-25	T × W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	1.0 × 5.5	11.2	9	25	9	10
6	1.2 × 6.5	11.2	9	25	10	10

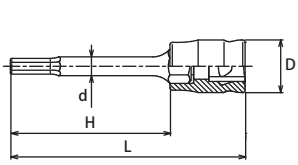


2010MZ-25 / -50

Inhex Bit Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux

2010MZ-25 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	11.2	9	25	9	10
4	11.2	9	25	9	10
5	11.2	9	25	10	10
6	11.2	9	25	10	10

2010MZ-50 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	11.2	4	34	50	11	10
4	11.2	5	34	50	13	10
5	11.2	6	34	50	15	10
6	11.2	–	34	50	17	10



RS20XXZ/9

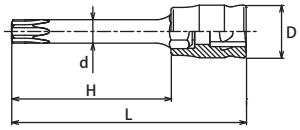
Socket Set on magnetic Rail
Steckschlüsselsatz auf Magnetschiene
Jeu de douilles sur rail à aimant

RS20XXZ/9	9 Pieces Set/Rail 200mm	(g)
2000Z.28	**1, 2, 3**	213
2005Z.25	**5, 6**	
2010MZ.25	**3, 4, 5, 6**	

1/4”

2025Z-28 / -50

TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis,TORX®



2025Z-28 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10	11.2	12	28	9	10
T15	11.2	12	28	9	10
T20	11.2	12	28	9	10
T25	11.2	12	28	10	10
T27	11.2	12	28	10	10
T30	11.2	12	28	10	10
T40	11.2	12	28	11	10

2025Z-50 (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10	11.2	4	34	50	11	10
T15	11.2	4	34	50	11	10
T20	11.2	4.5	34	50	12	10
T25	11.2	5	34	50	13	10
T27	11.2	5	34	50	13	10
T30	11.2	5.6	34	50	15	10
T40	11.2	–	34	50	17	10

RS2025Z/7-L28
RS2025Z/7-L50

Socket Set on magnetic Rail
Steckschlüsselsatz auf Magnetschiene
Jeu de douilles sur rail à aimant

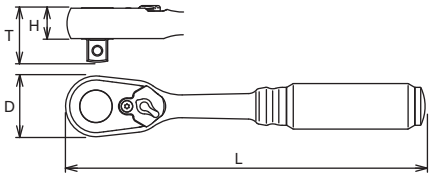
RS2025Z/7-L28	7 Pieces Set/Rail 200mm	(g)
T10, T15, T20, T25, T27, T30, T40		195

RS2025Z/7-L50	7 Pieces Set/Rail 200mm	(g)
T10, T15, T20, T25, T27, T30, T40		220

2725Z

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

72



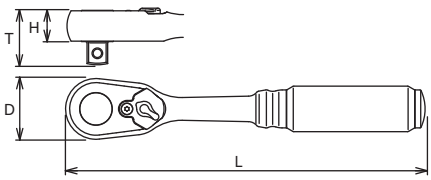
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2725Z	20.5	17.1	9.5	114	79	1

* Renewal Kits → **2725RK-2** ➡P320

2725Z-160

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

72



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2725Z-160	20.5	17.1	9.5	160	115	1

* Renewal Kits → **2725RK-2** ➡P320

2725Z-160 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

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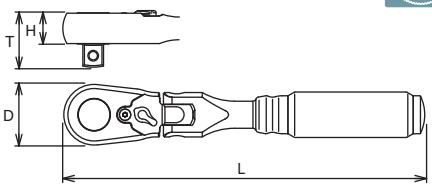
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

72 Flexible Head

2726Z

Flexible Ratchet, Reversible (Short)
Gelenk-Knarre kurz, verstellbar
Cliquet articulé court, réversible



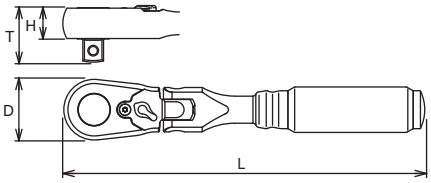
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2726Z	20.5	17.1	9.5	114	103	1

* Renewal Kits → **2725RK-2** P320

72 Flexible Head

2726Z-160

Flexible Ratchet, Reversible (long)
Gelenk-Knarre lang, verstellbar
Cliquet articulé long, réversible



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2726Z-160	20.5	17.1	9.5	160	125	1

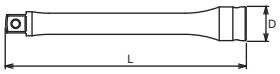
* Renewal Kits → **2725RK-2** P320

⚠ 2726Z-160 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

1/4”

2760Z

Extension Bars
Verlängerungen
Rallonges

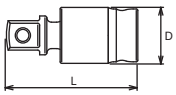


	D (mm)	L (mm)	(g)	(pcs.)
2760Z-50	11.5	50	21	10
2760Z-100	11.5	100	39	10
2760Z-150	11.5	150	58	10

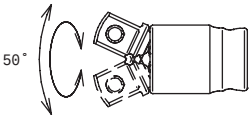
2771Z

Universal Joint
Gelenk-Einsatz
Joint articulé

UNIVERSAL JOINT

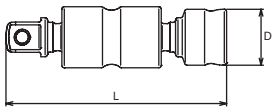


	D (mm)	L (mm)	(g)	(pcs.)
2771Z	11.7	29.9	15	10

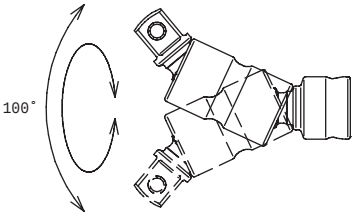


2772Z

Universal Double Joint
Doppelgelenk-Einsatz
Joint articulé double



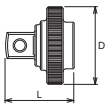
	D (mm)	L (mm)	(g)	(pcs.)
2772Z	11.7	46	26	10



2756Z

Quick Spinner
Rändel-Drehscheibe
Lanceur

	D (mm)	L (mm)	(g)	(pcs.)
2756Z	20.3	18	15	10



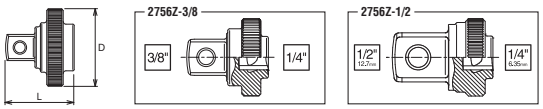
2756Z-3/8
2756Z-1/2

Quick Spinner, Adaptor
Rändel-Drehscheibe als Adaptor
Lanceur, adapteur

2756Z-3/8

2756Z-1/2

	D (mm)	L (mm)	(g)	(pcs.)
2756Z-3/8	20.3	21.5	24	10
2756Z-1/2	20.3	26	35	10



P2285Z

Set in PE-foam tray
Steckschlüsselsatz in Weichschaumeinlage
Set disposé dans boîte de rangement en mousse souple

P2285Z	26 Pieces Set/⚖=660g
PLASTIC CASE:W245×H120×T45	
Sockets	Accessories
2400MZ 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 10, 11,12, 13, 14	**2725Z**
2000Z.28 1, 2, 3	**2756Z**
2005Z.25 5, 6	**2771Z**
2010MZ.25 3, 4, 5, 6	**2760Z-50**
	2760Z-150

2286Z

Set in PE-foam tray
Steckschlüsselsatz in Weichschaumeinlage
Set disposé dans boîte de rangement en mousse souple

2286Z	17 Pieces Set/⚖=780g
BLACK METAL CASE:W240×H100×T32mm	
Sockets	Accessories
2400MZ 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14	**2725Z**
	2756Z
	2771Z
	2760Z-50
	2760Z-100
	2760Z-150

2285ZE

Socket Sets
Steckschlüssel Sätze
Jeu de clés à douilles

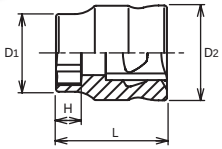
2285ZE	10 Pieces Set/⚖=300g
Rail 200mm/PLASTIC BAG	
Sockets	Accessories
2400MZ 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14	**2725Z**
	2756Z

3/8”

3400MZ

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

FLAT DRIVE®



3400MZ (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	8.5	17	3.5	19	16	10
6	9.1	17	3.5	19	17	10
7	10.3	17	3.5	19	17	10
8	11.5	17	4.5	20	17	10
10	14	17	4.5	20	18	10
11	15.3	17	5.5	21	18	10
12	16.5	17	5.5	21	19	10
13	17.8	17	8.5	21	19	10
14	19	17	8.5	21	20	10
15	20.2	18.2	8.5	21	24	10
16	21.3	19.3	8.5	21	28	10
17	22.5	20.5	8.5	21	32	10
18	23.6	21.6	9.5	22	38	10
19	24.8	22.8	9.5	22	41	10
21	27	25	10.5	23	51	10
22	28.3	26.3	10.5	23	58	10

3400MZ is designed 5-9mm shorter than standard 3400M.
Ideal for working in confined and tight areas.

RS3400MZ/8
RS3400MZ/12

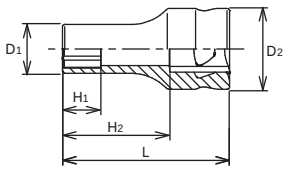
Socket Set on magnetic Rail
Steckschlüsselsatz auf Magnetschiene
Jeu de douilles sur rail à aimant

RS3400MZ/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		320

RS3400MZ/12	12 Pieces Set/Rail 300mm	(g)
7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		490

3300XZ

6-point Sockets, Semi-Deep
6-kant Steckschlüssel, mittel-lang
Douilles, semi-profondes 6-pans



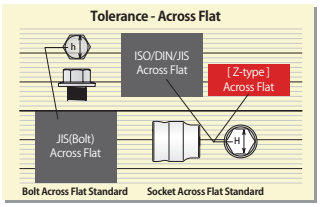
3300XZ (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
7	10.3	17	8	23	35	23	10
8	11.5	17	9	23	35	24	10
10	14	17	11	23	35	26	10
11	15.3	17	12	23	35	28	10
12	16.5	17	13	23	35	29	10
13	17.8	17	14	23	35	32	10
14	19	17	16	23	35	34	10
15	20.2	18.2	16	23	35	40	10
16	21.3	19.3	16.5	23	35	45	10
17	22.5	20.5	16.5	23	35	50	10
18	23.6	21.6	16.5	23	35	56	10
19	24.8	22.8	18	23	35	60	10

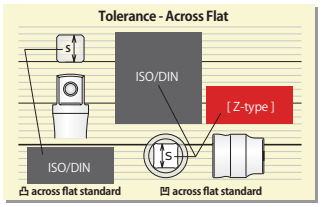
RS3300XZ/8
RS3300XZ/12

Socket Set on magnetic Rail
Steckschlüsselsatz auf Magnetschiene
Jeu de douilles sur rail à aimant

RS3300XZ/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		420

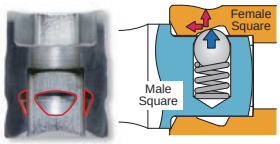
RS3300XZ/12	12 Pieces Set/Rail 300mm	(g)
7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		630





Manufacturing tolerance is precisely controlled to achieve a secure fitting.

BALL HOLDING GROOVE



The inventive Ball Holding system of the Z-series allows a secure connection between Socket and Handle.

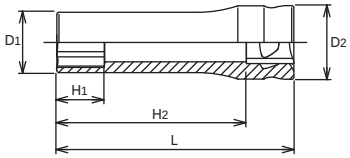
Die Werkzeuge der Z-Serie verfügen über spezielle Kugelfangrillen, die eine noch sicherere Verbindung zwischen Betätigungswerkzeug und Steckschlüssel gewährleisten.

La série Z dispose d'une rainure de fixation pour bille spéciale, qui améliore nettement la fixation entre douille et cliquet.

FLAT DRIVE®

3300MZ

6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans



3300MZ (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
7	10.3	17	8	41.5	55	29	10
8	11.5	17	9	41.5	55	34	10
10	14	17	11	41.5	55	43	10
11	15.3	17	12	41.5	55	45	10
12	16.5	17	13	41.5	55	49	10
13	17.8	17	14	41.5	55	52	10
14	19	17	16	41.5	55	55	10
15	20.2	18.2	16	40.5	55	65	10
16	21.3	19.3	17	40.5	55	74	10
17	22.5	20.5	18	40.5	55	83	10
18	23.6	21.6	19	39.5	55	90	10
19	24.8	22.8	20	39.5	55	95	10

RS3300MZ/8
RS3300MZ/12

Socket Set on magnetic Rail
Steckschlüsselsatz auf Magnetschiene
Jeu de douilles sur rail à aimant

RS3300MZ/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		600

RS3300MZ/12	12 Pieces Set/Rail 300mm	(g)
7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		900

RS3X00MZ/12

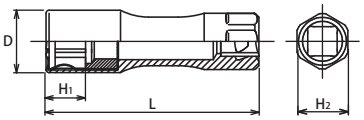
Socket Set on magnetic Rail
Steckschlüsselsatz auf Magnetschiene
Jeu de douilles sur rail à aimant

RS3X00MZ/12	12 Pieces Set/Rail 300mm	(g)
3400MZ	**8, 10, 11, 12, 13, 14, 17, 19**	550
3300MZ	**8, 10, 12, 14**	

3300CZ

Spark Plug Sockets with Spring Clips
Zündkerzen-Schlüssel mit Haltefeder
Douilles avec ressorts de retenues pour bougies

Spark Plug



3300CZ (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
14	18.4	11	17	70	67	10
16	20.5	13	17	70	71	10
18	22.9	12	17	70	75	10
20.8	26.3	13.5	17	70	105	10

Slim & light weight body with smaller outside diameter for work in tight spaces.

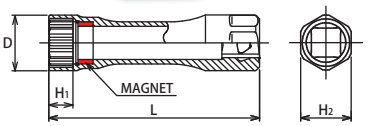
⚠ Spring clip type spark plug sockets caused deforming the clip if it would be used with shallow engagement.

SPARK PLUG SOCKET

3305PZ

Spark Plug Socket with Magnet, 12-pt. opening
Zündkerzensteckschlüssel mit Magnet, 12-kant
Douille pour bougies, avec aimant, 12-pans

Spark Plug



3305PZ (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
14	17.9	8	17	70	56	10
16	20	8	17	70	55	10

Spark Plug Socket with Magnet, 12-pt. opening: size 14mm

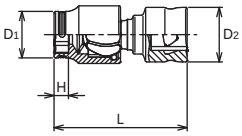
⚠ The magnet could be broken with any impacts. Please handle with care.

3/8”

3441MZ

Nut Grip Universal Sockets **Nut Grip®**
Gelenk-Einsätze mit zweifacher Kugelhalterung
Douilles articulées à billes de retenue

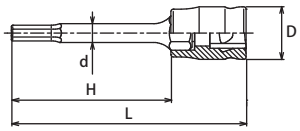
NUT GRIP®



	3441MZ (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
New	8	12	17	4.5	41.5	45	10
New	10	14.5	17	4.5	41.5	47	10
New	12	16.8	17	5.5	42.5	50	10
New	13	17.8	17	5.5	42.5	53	10
New	14	19.5	17	7	44	55	10
New	17	23.4	17	8.5	45.5	66	10

3010MZ-50 / -75

Inhex Bit Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux



3010MZ-50 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	17	4	23.5	50	28	10
4	17	5	23.5	50	29	10
5	17	6	23.5	50	30	10
6	17	7	23.5	50	35	10
7	17	–	23.5	50	38	10
8	17	–	23.5	50	40	10
10	17	–	23.5	50	50	10
12	19	–	23.5	50	70	10

3010MZ-75 (mm)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	17	6	48.5	75	33	10
4	17	6	48.5	75	35	10
5	17	6	48.5	75	36	10
6	17	7	48.5	75	41	10
7	17	7.9	48.5	75	45	10
8	17	–	48.5	75	48	10
10	17	–	48.5	75	65	10
12	19	–	48.5	75	90	10

RS3010MZ/8-L50
RS3010MZ/8-L75

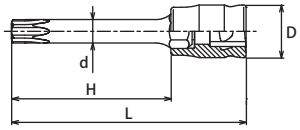
Socket Set on magnetic Rail
Steckschlüsselsatz auf Magnetschiene
Jeu de douilles sur rail à aimant

RS3010MZ/8-L50	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		460

RS3010MZ/8-L75	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		530

3025Z-50 / -75

TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis,TORX®



3025Z-50 (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10	17	3	23.5	50	27	10
T15	17	3.5	23.5	50	28	10
T20	17	3.9	23.5	50	28	10
T25	17	4.5	23.5	50	29	10
T27	17	5	23.5	50	30	10
T30	17	5.6	23.5	50	31	10
T40	17	6.7	23.5	50	35	10
T45	17	7.83	23.5	50	38	10
T50	17	8.90	23.5	50	48	10
T55	19	11.3	23.5	50	70	10

3025Z-75 (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T20	17	4.5	48.5	75	32	10
T25	17	5	48.5	75	33	10
T27	17	5	48.5	75	33	10
T30	17	5.6	48.5	75	35	10
T40	17	6.7	48.5	75	41	10
T45	17	7.9	48.5	75	45	10
T50	17	8.9	48.5	75	55	10
T55	19	11.3	48.5	75	80	10

RS3025Z/8-L50
RS3025Z/8-L75

Socket Set on magnetic Rail
Steckschlüsselsatz auf Magnetschiene
Jeu de douilles sur rail à aimant

RS3025Z/8-L50	8 Pieces Set/Rail 200mm	(g)
T20, T25 ,T27, T30, T40, T45, T50, T55		450

RS3025Z/8-L75	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55		480

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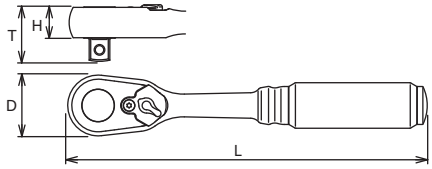
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

2725Z-3/8

Reversible Ratchet Short
Knarre kurz, verstellbar
Cliquet court, réversible

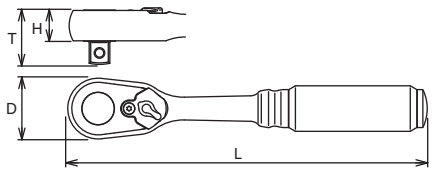


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2725Z-3/8	20.5	20.5	9.5	114	83	1

* Renewal Kits → **2725RK-2(3/8)** ➡P320

2725Z-3/8 (L160)

Reversible Ratchet (long)
Knarre lang, verstellbar
Cliquet long, réversible



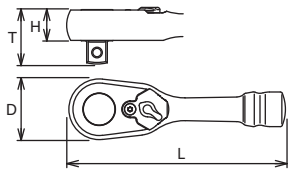
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2725Z-3/8 (L160)	20.5	20.5	9.5	160	120	1

* Renewal Kits → **2725RK-2(3/8)** ➡P320

2725Z-3/8 (L160) have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

3725ZS

Reversible Ratchet Short
Knarre kurz, verstellbar
Cliquet court, réversible

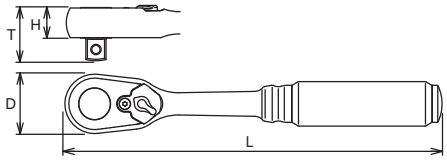


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3725ZS	28	24.5	13.7	100	157	1

* Renewal Kits → **3725RK-2** ➡P320

3725Z

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

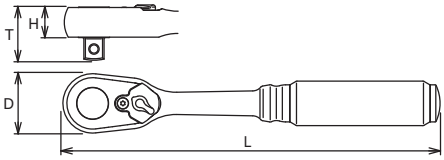


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3725Z	28	24.5	13.7	178	236	1

* Renewal Kits → **3725RK-2** ➡P320

3725Z-280

Reversible Ratchet (long)
Knarre lang, verstellbar
Cliquet long, réversible



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3725Z-280	28	24.5	13.7	280	360	1

* Renewal Kits → **3725RK-2** ➡P320

3725Z-280 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

3/8”

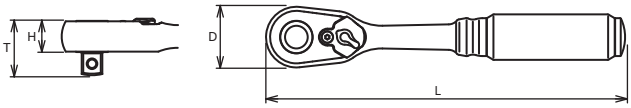
2725ZB-3/8

Reversible Ratchet with Quick Release Button
Knarre, verstellbar mit Entriegelungsknopf
Cliquet, réversible avec bouton de débrayage

72 Quick Release

		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New	2725ZB-3/8	20.5	20.5	9.5	114	83	1

* Renewal Kits → **2725BRK-1(3/8)** ➡P320



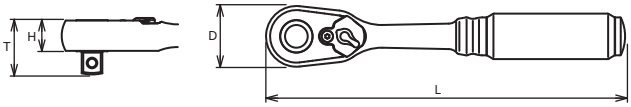
2725ZB-3/8 (L160)

Reversible Ratchet Long with Quick Release Button
Knarre lang, verstellbar mit Entriegelungsknopf
Cliquet long, réversible, avec bouton de déverrouillage ⚠

72 Quick Release

		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New	2725ZB-3/8 (L160)	20.5	20.5	9.5	160	120	1

* Renewal Kits → **2725BRK-1(3/8)** ➡P320



⚠ 2725ZB-3/8(L160) have longer handle than standard, and can be loaded to excessive torque value.In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

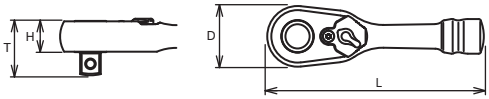
3725ZSB

Reversible Ratchet Short with Quick Release Button
Knarre, verstellbar mit Entriegelungsknopf
Cliquet, réversible avec bouton de débrayage

72 Quick Release

		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New	3725ZSB	28	24.5	13.7	100	157	1

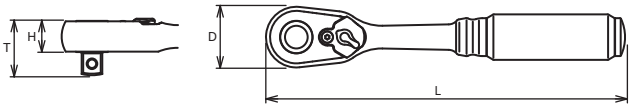
* Renewal Kits → **3725BRK-1** ➡P320



3725ZB

Reversible Ratchet with Quick Release Button
Knarre, verstellbar mit Entriegelungsknopf
Cliquet, réversible avec bouton de débrayage

72 Quick Release



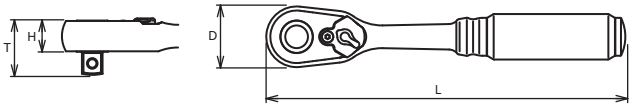
		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New	3725ZB	28	24.5	13.7	178	236	1

* Renewal Kits → **3725BRK-1** ➡P320

3725ZB-280

Reversible Ratchet Long with Quick Release Button
Knarre lang, verstellbar mit Entriegelungsknopf
Cliquet long, réversible, avec bouton de déverrouillage ⚠

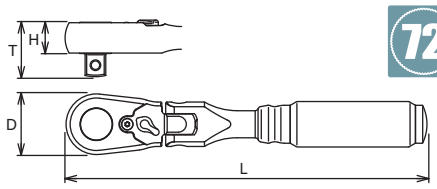
72 Quick Release



		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New	3725ZB-280	28	24.5	13.7	280	360	1

* Renewal Kits → **3725BRK-1** ➡P320

⚠ 3725ZB-280 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



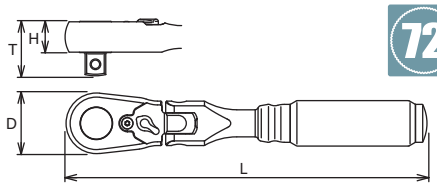
72 Flexible Head

2726Z-3/8

Flexible Ratchet, Reversible (Short)
Gelenk-Knarre kurz, verstellbar
Cliquet articulé court, réversible

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2726Z-3/8	20.5	20.5	9.5	114	107	1

* Renewal Kits → **2725RK-2(3/8)** ➡P320



72 Flexible Head

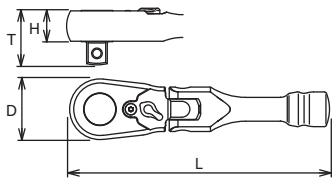
2726Z-3/8 (L160)

Flexible Ratchet long, Reversible
Gelenk-Knarre lang, verstellbar
Cliquet articulé long, réversible ⚠

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2726Z-3/8 (L160)	20.5	20.5	9.5	160	130	1

* Renewal Kits → **2725RK-2(3/8)** ➡P320

⚠ 2726Z-3/8 (L160) have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



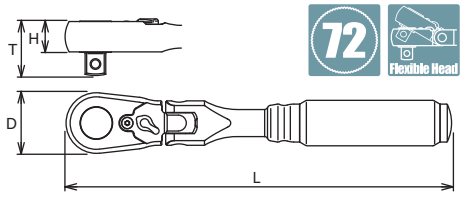
72 Flexible Head

3726ZS

Flexible Ratchet, Reversible (Short)
Gelenk-Knarre kurz, verstellbar
Cliquet articulé court, réversible

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3726ZS	28	24.5	13.7	120	196	1

* Renewal Kits → **3725RK-2** ➡P320



72 Flexible Head OVAL Shank

OVAL SHAPE SHANK

3726Z

Flexible Ratchet, Reversible
Gelenk-Knarre, verstellbar
Cliquet articulé, réversible

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3726Z	28	24.5	13.7	178	317	1

* Renewal Kits → **3725RK-2** ➡P320

OVAL SHAPE SHANK

72 Flexible Head OVAL Shank

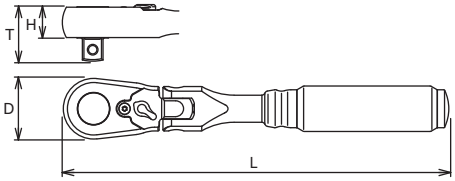
3726Z-280

Flexible Ratchet long, Reversible
Gelenk-Knarre lang, verstellbar
Cliquet articulé long, réversible ⚠

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3726Z-280	28	24.5	13.7	280	420	1

* Renewal Kits → **3725RK-2** ➡P320

⚠ 3726Z-280 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



3/8”

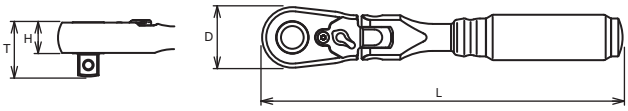
2726ZB-3/8

Flexible Ratchet, Reversible with Quick Release Button (Short)
Gelenk-Knarre, verstellbar mit Entriegelungsknopf
Cliquet, articulée, réversible avec bouton de débrayage

72 Flexible Head Quick Release

		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New	2726ZB-3/8	20.5	20.5	9.5	114	107	1

* Renewal Kits → **2725BRK-1(3/8)** ➡P320



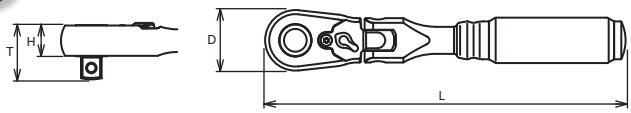
2726ZB-3/8 (L160)

Flexible Ratchet long, Reversible with Quick Release Button
Gelenk-Knarre lang, verstellbar mit Entriegelungsknopf
Cliquet long articulé, réversible avec bouton de débrayage

72 Flexible Head Quick Release

		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New	2726ZB-3/8 (L160)	20.5	20.5	9.5	160	130	1

* Renewal Kits → **2725BRK-1(3/8)** ➡P320



2726ZB-3/8(L160) have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

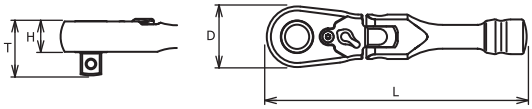
3726ZSB

Flexible Ratchet, Reversible with Quick Release Button (Short)
Gelenk-Knarre, verstellbar mit Entriegelungsknopf
Cliquet, articulée, réversible avec bouton de débrayage

72 Flexible Head Quick Release

		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New	3726ZSB	28	24.5	13.7	120	196	1

* Renewal Kits → **3725BRK-1** ➡P320

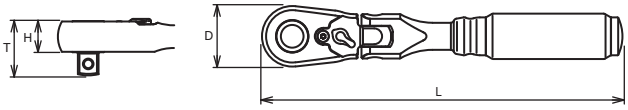


3726ZB

Flexible Ratchet, Reversible with Quick Release Button
Gelenk-Knarre, verstellbar mit Entriegelungsknopf
Cliquet, articulée, réversible avec bouton de débrayage

72 Flexible Head OVAL Shank Quick Release

OVAL SHAPE SHANK



		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New	3726ZB	28	24.5	13.7	178	317	1

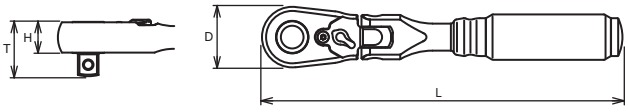
* Renewal Kits → **3725BRK-1** ➡P320

3726ZB-280

Flexible Ratchet long, Reversible with Quick Release Button
Gelenk-Knarre lang, verstellbar mit Entriegelungsknopf
Cliquet long articulé, réversible avec bouton de débrayage

72 Flexible Head OVAL Shank Quick Release

OVAL SHAPE SHANK



		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New	3726ZB-280	28	24.5	13.7	280	420	1

* Renewal Kits → **3725BRK-1** ➡P320

3726ZB-280 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

RENEWAL KIT FOR HINGE HANDLE

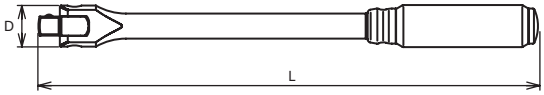
OVAL SHAPE SHANK

OVAL Shank

3768Z-250
3768Z-400 ⚠

Hinge Handle
Gelenkgriff
Poignée articulée

	D (mm)	L (mm)	(g)	(pcs.)
3768Z-250	20.5	250	309	5
3768Z-400	20.5	400	500	2



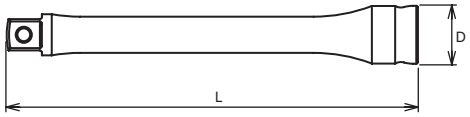
* Renewal Kits→ 3768ZRK ➡P321

⚠ 3768Z-400 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

3760Z

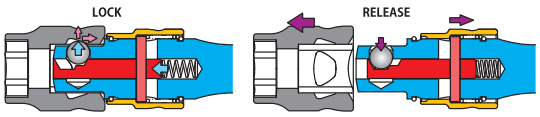
Extension Bars
Verlängerungen
Rallonges

	D (mm)	L (mm)	(g)	(pcs.)
3760Z-75	17.5	75	66	10
3760Z-125	17.5	125	103	10
3760Z-250	17.5	250	195	5

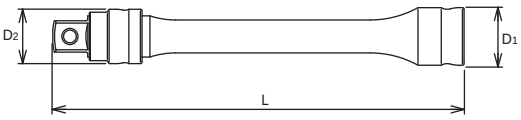


3760LZ

Locking Extension Bars
Verriegelbare Verlängerungen
Barres d’extension verrouillables ⚠



		D₁ (mm)	D₂ (mm)	L (mm)	(g)	(pcs.)
New	3760LZ-75	17.5	16.5	75	75	10
New	3760LZ-125	17.5	16.5	125	105	10
New	3760LZ-250	17.5	16.5	250	185	5



⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

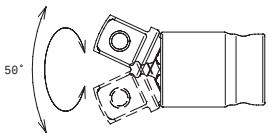
Veuillez ne pas tenir la pièce coulissante pendant le mouvement, afin d’éviter un échauffement dû à la friction et à l’usure.

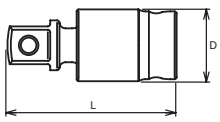
UNIVERSAL JOINT

3771Z

Universal Joint
Gelenk-Einsatz
Joint articulé

	D (mm)	L (mm)	(g)	(pcs.)
3771Z	18	42.5	44	10

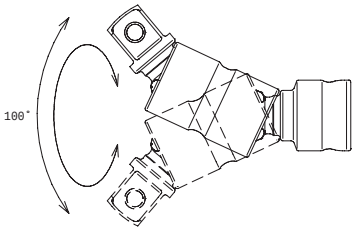


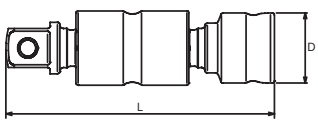


3772Z

Universal Double Joint
Doppelgelenk-Einsatz
Joint articulé double

	D (mm)	L (mm)	(g)	(pcs.)
3772Z	17	65	76	10

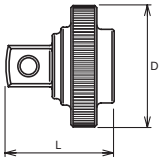




3/8”

3756Z

Quick Spinner
Rändel-Drehscheibe
Lanceur

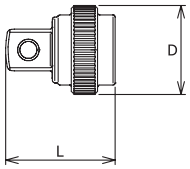


	D (mm)	L (mm)	(g)	(pcs.)
3756Z	28	25	40	10

Outside diameter is smaller compared to standard 3756.
Ideal for working in combination with 3725Z

3756ZS

Quick Spinner
Rändel-Drehscheibe
Lanceur

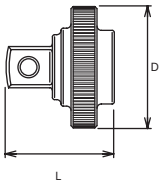


	D (mm)	L (mm)	(g)	(pcs.)
3756ZS	20.3	25	26	10

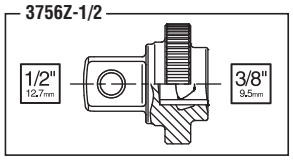
Ideal for working in combination with 2725Z-3/8 and 2726Z-3/8.

3756Z-1/2

Quick Spinner, Adaptor
Rändel-Drehscheibe als Adaptor
Lanceur, adapteur



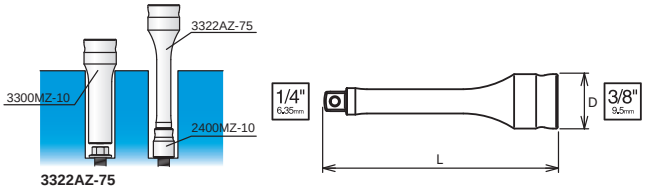
	D (mm)	L (mm)	(g)	(pcs.)
3756Z-1/2	28	29	52	10



3322AZ-75

Extension Adaptor
Verlängerungsadapter
Reduction adapteur-rallonge

	D (mm)	L (mm)	(g)	(pcs.)
3322AZ-75	17.5	75	42	10



3322AZ-75

3285Z	26 Pieces Set/⚖=2,100g

PLASTIC TRAY:W390×T180×H25

Sockets	Accessories
3400MZ 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14, 17, 19, 21, 22	**3725Z**
3300MZ 6-pt. Deep Sockets 8, 10, 12, 14	**3756Z**
3300CZ Spark Plug Sockets 14, 16, 20.8	**3771Z**
	3768Z-250
	3760Z-75
	3760Z-125
	3760Z-250

3285Z

Set in PE-foam tray
Steckschlüsselsatz in Weichschaumeinlage
Set disposé dans boîte de rangement en mousse souple

3285ZA	15 Pieces Set/⚖=750g

PLASTIC TRAY:W300×T90×H25

Sockets	Accessories
3400MZ 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13, 14, 17, 19, 21, 22	**3725Z**
	3756Z
	3771Z

3285ZA

Set in PE-foam tray
Steckschlüsselsatz in Weichschaumeinlage
Set disposé dans boîte de rangement en mousse souple

3286Z	21 Pieces Set/⚖=2,600g

BLACK METAL CASE:W415×H120×T50mm

Sockets	Accessories
3400MZ 6-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22	**3725Z**
	3756Z
	3771Z
	3768Z-250
	3760Z-75
	3760Z-125
	3760Z-250

3286Z

Set in PE-foam tray
Steckschlüsselsatz in Weichschaumeinlage
Set disposé dans boîte de rangement en mousse souple

3285ZE	9 Pieces Set/⚖=600g

Rail 200mm/PLASTIC BAG

Sockets	Accessories
3400MZ 6-pt. Sockets 8, 10, 12, 13, 14, 17, 19	**3725Z**
	3756Z

3285ZE

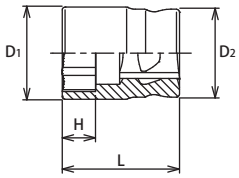
Socket Sets
Steckschlüssel Sätze
Jeu de clés à douilles

1/2”

4400MZ

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

FLAT DRIVE®



4400MZ (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12.9	20.6	4.5	26	30	10
10	15	20.6	4.5	26	31	10
12	17	20.6	5.5	27	32	10
13	18.3	21.5	6.5	28	40	10
14	19.5	21.5	6.5	28	40	10
16	22	21.5	7.5	29	43	10
17	23	22.5	7.5	29	49	10
18	24.1	23.7	7.5	29	56	10
19	25.3	24.4	9.5	29	62	10
21	27.6	26.3	10.5	29	76	10
22	28.8	27.5	11	29	83	10
24	31.1	29.2	12	29	96	5
27	34.6	32.2	13.5	30	124	5
30	38.1	35.2	14.5	31	156	5
32	40.4	36.8	15.5	32	178	5

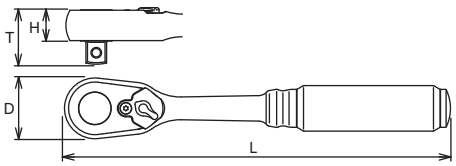
RS4400MZ/10

Socket Set on magnetic Rail
Steckschlüsselsatz auf Magnetschiene
Jeu de douilles sur rail à aimant

RS4400MZ/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		830

4725Z

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible



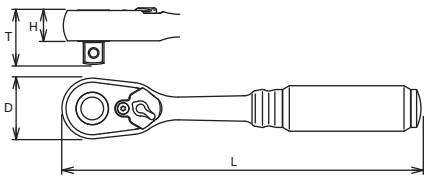
72

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4725Z	36.5	32.8	18.2	253	590	1

* Renewal Kits → **4725RK-2** ➡P320

4725ZB

Reversible Ratchet with Quick Release Button
Knarre, verstellbar mit Entriegelungsknopf
Cliquet, réversible avec bouton de débrayage

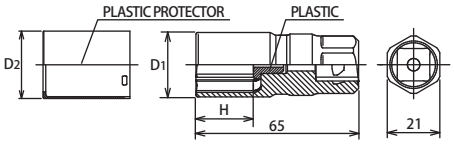


72

push
Quick Release

		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
New	**4725ZB**	36.5	32.8	18.2	253	595	1

* Renewal Kits → **4725BRK-1** ➡P320



4300PMZ-65 (mm)	D1 (mm)	D2 (mm)	H (mm)	Shaft Colour	(g)	(pcs.)
17	23.7	25.2	21		135	10
19	25.7	27.2	23		150	10
21	27.5	29	25		155	10
New 22	29	30.5	26		165	10

Please note that thin walled design is only for wheel nut work and Torque rating is limited.

4300PMZ-65

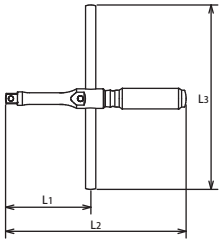
Wheel Nut Socket with Plastic Protector
Radmuttern Steckschlüssel mit Kunststoff Hülse
Douilles pour écrous de roue avec protection en plastique

FREE-TURN CROSS WRENCH

OVAL Shank

4711XZ

Spinning Cross Wrench
T-Griff für die Radmuttermontage
Poignée coulissante pour montage des écrous à roue



	L1 (mm)	L2 (mm)	L3 (mm)	(g)	(pce.)
4711XZ	133	264	350	915	1

RENEWAL KIT FOR HINGE HANDLE

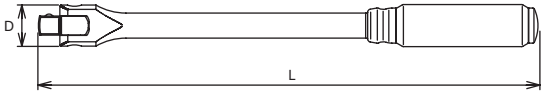
OVAL SHAPE SHANK

OVAL Shank

4768Z-430

Hinge Handle
Gelenkgriff
Poignée articulée

	D (mm)	L (mm)	(g)	(pce.)
4768Z-430	28	430	720	2

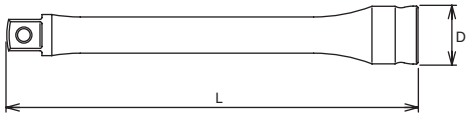


* Renewal Kits→ **4768ZRK** ➡P321

4768Z-430 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

4760Z

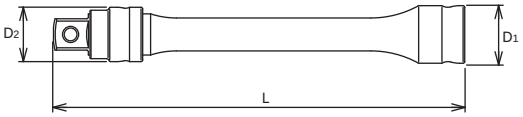
Extension Bars
Verlängerungen
Rallonges

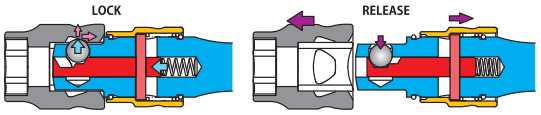


	D (mm)	L (mm)	(g)	(pcs.)
4760Z-125	23	125	180	5
4760Z-250	23	250	340	5

4760LZ

Locking Extension Bars
Verriegelbare Verlängerungen
Barres d'extension verrouillables





		D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)
New	4760LZ-125	23	20.5	125	186	5
New	4760LZ-250	23	20.5	250	346	5

You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

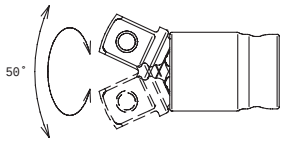
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

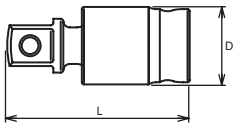
Veuillez ne pas tenir la pièce coulissante pendant le mouvement, afin d'éviter un échauffement dû à la friction et à l'usure.

4771Z

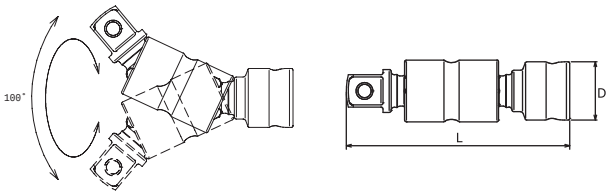
Universal Joint
Gelenk-Einsatz
Joint articulé

UNIVERSAL JOINT





	D (mm)	L (mm)	(g)	(pcs.)
4771Z	23.7	55.8	100	10



	D (mm)	L (mm)	(g)	(pcs.)
4772Z	23.7	87.2	170	5

4772Z

Universal Double Joint
Doppelgelenk-Einsatz
Joint articulé double

RSX772Z/3	3 Pieces Set/Rail 200mm	(g)
New	**2772Z, 3772Z, 4772Z**	290

1/4" + 3/8" + 1/2"

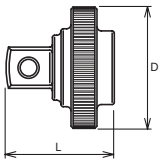
RSX772Z/3

Universal Joints 1/4", 3/8", 1/2" 3 pcs set on rail
Doppelgelenk-Einsätze 1/4", 3/8", 1/2" 3teiliger Satz auf Schiene
Douilles à double articulation 1/4", 3/8", 1/2" Jeu de 3 pièces sur rail

	D (mm)	L (mm)	(g)	(pcs.)
4756Z	36.3	33.5	84	10

4756Z

Quick Spinner
Rändel-Drehscheibe
Lanceur



1/2”

4285Z

Set in Foam tray
Steckschlüsselsatz in Weichschaumeinlage
Set disposé dans boîte de rangement en mousse souple

4285Z	21 Pieces Set/⚖=4,800g
METAL CASE:W445×T190×H50	
Sockets	**Accessories**
4400MZ 6-pt. Sockets 8, 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32	**4725Z** **4756Z** **4771Z** **4768Z-430** **4760Z-125** **4760Z-250**

4285ZE

Socket Sets
Steckschlüssel Sätze
Jeu de clés à douilles

4285ZE	11 Pieces Set/⚖=1,380g
Rail 300mm/PLASTIC BAG	
Sockets	**Accessories**
4400MZ 6-pt. Sockets 10, 12, 13, 14, 17, 19, 21,22, 24	**4725Z** **4756Z**

RSAL200
RSAL300

Magnetic Rail with retaining clips
Magnetschiene mit Halteklammern
Rail à aimant avec clips de maintien

RSAL200	⊿	RAIL (mm)	CLIP (pcs.)	⚖ (g)	🛍 (pce.)
1/4×12	1/4"	200	12	125	1
3/8×8	3/8"	200	8	130	1

RSAL300	⊿	RAIL (mm)	CLIP (pcs.)	⚖ (g)	🛍 (pce.)
3/8×12	3/8"	300	12	180	1
1/2×10	1/2"	300	10	190	1

RSAL
CLIP.P/5

Magnetic Rails and retaining Clips, bulk
Magnetschienen und Halteklammern, lose
Rail à aimant avec clips de maintien, en vrac

RAIL

	RAIL (mm)	⚖ (g)	🛍 (pce.)
RSAL200	200	110	1
RSAL300	300	145	1
RSAL400	400	210	1

CLIP

CLIP.P/5	⊿	⚖ (g)	🛍 (pcs.)
1/4	1/4"	10	5
3/8	3/8"	13	5
1/2	1/2"	20	5

1/4”

3/8”

1/2”

3/4”

1”

HAND

SOCKETS
STECKSCHLÜSSEL
DOUILLES À MAIN

Hand Sockets		Square Drive															
		1/4"(6.35mm)SQ.			3/8"(9.5mm)SQ.			1/2"(12.7mm)SQ.			3/4"(19mm)SQ.			1"(25.4mm)SQ.		
		No.		Page	No.		Page	No.		Page	No.		Page	No.		Page
Standard Sockets	6-point	2400M 2400A 2400W	mm inch BA	48 48 49	3400M 3400A 3400W	mm inch BSW	68 68 69	4401M/4400M 4400A 4400W	mm inch BSW	102 103 104	6400M 6400A	mm inch	130 130	8400M 8400A	mm inch	136 136
	12-point	2405M 2405A AS2405A	mm inch inch	48 48 48	3405M 3405A 3405W	mm inch BSW	68 68 69	4406M/4405M 4405A 4405W	mm inch BSW	102 103 104	6405M 6405A	mm inch	130 130	8405M 8405A	mm inch	136 136
	Surface	2410M	mm	49	3410M	mm	69	4410M	mm	104						
	NUT GRIP®	2450MS 2450AS	mm inch	50 50	3450M 3450A 3450MH	mm inch mm	71 71 71	4450M	mm	106						
	NUT GRIP® (3-ball)	2455AS	inch	50												
	TORX® (E)	2425	TORX®	51	3425	TORX®	70	4425 4425-N	TORX® TORX®	105 104	6425	TORX®	130			
	TORX®(E) (NUT GRIP®)				3425(2B)	TORX®	71									
	TORXplus® (EP)							4425-EPL	TORXplus®	105						
	TORXplus® (EPR)							4425-EPRL	TORXplus®	105						
	LH-S				3400LH	LH-STIX®	70	4400LH	LH-STIX®	106						
	Double Square	2415M 2415A	mm inch	49 49	3415M 3415A	mm inch	70 70									
Semi Deep Sockets	6-point	2300X	mm	51	3300X 3300XA	mm inch	72 72									
	12-point				3305X 3305XA	mm inch	72 72									
	NUT GRIP®	2350X	mm	51	3350X	mm	72									
Deep Sockets	6-point	2300M 2300A 2300W	mm inch BA	52 52 53	3300M 3300A 3300W	mm inch BSW	73 73 74	4300M 4300A	mm inch	107 107	6300M 6300A	mm inch	131 131			
	12-point	2305M 2305A AS2305A	mm inch inch	52 52 52	3305M 3305A 3305W	mm inch BSW	73 73 74	4305M 4305A	mm inch	107 107	6305M 6305A	mm inch	131 131			
	Surface	2310M	mm	53	3310M	mm	74	4310M	mm	108						
	NUT GRIP®	2350M	mm	53	3350M	mm	75									
	TORX® (E)	2325	TORX®	53	3325	TORX®	75	4325	TORX®	108						
	Flare Nut				3300FN	mm	75									
Extra Deep Sockets	6-point				3300M(L120)	mm	76	4300M(L120)	mm	109						
	12-point				3305M(L120)	mm	76									
	NUT GRIP®				3350M(L120) 3350A(L120)	mm inch	76 76									
	TORX® (E)							4325(L140)	TORX®	109						
	TORX®(E) (NUT GRIP®)							4325(L140)-2B	TORX®	109						
Extension Sockets	12-point				3117M	mm	79	4117M	mm	109						
Universal Sockets	6-point	2440M 2440A	mm inch	54 54	3440M 3440A	mm inch	77 77	4440M 4440A	mm inch	110 110						
	12-point	2445M 2445A AS2445A	mm inch inch	54 54 54	3445M 3445A 3445W	mm inch BSW	77 77 77	4445M 4445A	mm inch	110 110						
	NUT GRIP®	2441M	mm	54	3441M	mm	78									
	TORX® (E)	2440T	TORX®	54	3440T	TORX®	77	4440T	TORX®	110						
Universal Deep Sockets	6-point				3340M	mm	78									
Bit Sockets	PH	2000	PH	55	3000	PH	80	4000	PH	110						
	PZ	2000(PZ)	PZ	55	3000(PZ)	PZ	80	4000(PZ)	PZ	110						
	Slotted	2005	Slotted	55	3005	Slotted	80	4005	Slotted	110						
	Hexagon	2010M 2010A	mm inch	56 56	3010M 3010A 3012M 3012A	mm inch mm inch	81 81 82 82	4010M 4010A 4012M 4012A	mm inch mm inch	111 111 112 113	6012M	mm	131	8012M	mm	137
	Hexagon (Grip Ring)				3015M	mm	83									
	Hexagon (Ball Point)	2011M	mm	56	3011M	mm	83									
	XZN (Triple Square)	2020	XZN	56	3020	XZN	84	4020	XZN	114						
	TORX® (T)	2025(T)	TORX®	57	3025(T)	TORX®	85	4025(T)	TORX®	115						
	TORX® (TH)	2025(TH)	TORX®	57	3025(TH)	TORX®	86									
	TORXplus® (IP)	2025(IP)	TORXplus®	58	3025(IP)	TORXplus®	87	4025(IP)	TORXplus®	116						
	TORXplus® (IPR)	2025(IPR)	TORXplus®	58	3025(IPR)	TORXplus®	88									
	Ribe CV				3027	Ribe CV	88	4027	Ribe CV	116						
Universal Bit Sockets	Hexagon	2430M	mm	55	3430M	mm	79									
	TORX® (T)	2430T	TORX®	55												

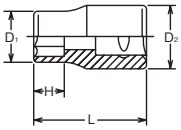
Handles/Accessories		Square Drive									
		1/4"(6.35mm)SQ.		3/8"(9.5mm)SQ.		1/2"(12.7mm)SQ.		3/4"(19mm)SQ.		1"(25.4mm)SQ.	
		No.	Page	No.	Page	No.	Page	No.	Page	No.	Page
Ratchet Handles	Standard	2753 series	59-60	3753 series 3752 series	91-92 91	4753 series 4750 series 4752 series	120 119 118	6749 6752	132 132	8749	138
	Short	2753PS	59	3749S series	90						
	Long	2753P-160	59	3753P-250	91	4749-380 series 4753P-410	121 121	6749-1000	132	8749-1000	138
	Compact			2749-3/8 series	90	3749S-1/2 series	118				
	Others			3753SM series 3757	90 95						
Flexible Ratchet Handles	Standard	2774 series	61	3774 series	93-94	4774 series	121-122				
	Short	2774PS 2774JS	60 60	3774PS	92						
	Long					4774P-450	121				
	Compact			2774-3/8 series	92						
	Swivel Head			3776 series	94						
	Speeder			3774P-SR	94						
Hinge Handles	Standard	2768 series	62	3768-250 series	97	4768-380 series	122	6768	133	8768	138
	Long					4768-450 series	122	6768-600	133	8768-1000	138
	Extra Long			3768P-380	97	4768-600 series	122	6768-1000	133		
T-type Slide Handles	Standard	2785	64	3785	98	4785	124	6785	134	8785	138
	Long									8785-700	138
Spin Type Handles	Standard	2769N	63	3769N	97						
	Wobble-Fix	2769NWF	63	3769NWF	97						
	Others	2769H	63	3769H	97						
L-handles						4788 4747	125 125	6788	134	8788	138
Speed Handles	Standard	2780	64	3780	98	4780-400	124				
	Flexible					4781N-450	124				
Extension Bars	Standard	2760	62	3760	96	4760	123	6760	133	8760	137
	Wobble-Fix	2763	62	3763	96	4763	123				
	Flexible	2762	61	3762	95						
Universal Joints		2770 2771	64 64	3770 3771	98 98	4770 4771	124 124	6770	134	8770	137
Adaptors		2233A	64	3322A 3344A	98 98	4433A 4466A	125 125	6644A 6688A	134 134	8866A	137
Ratchet Adaptors		2755	61	3755	95	4755	122	6755	133		
Quick Spinners		2756	61	3756	95	4756	122				

1/4”

2400M / 2400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

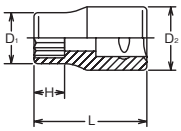
FLAT DRIVE®



2400M 2405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	5.5	11.2	2.6	22	7	10
3.5	6.1	11.2	3	22	7	10
4	6.7	11.2	3.5	22	8	10
4.5	7.3	11.2	4	22	8	10
5	8	11.2	5	22	8	10
5.5	8.5	11.2	5.5	22	9	10
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
9	13	12	7.3	22	12	10
10	14.3	12.9	7.7	22	15	10
11	15.5	14.3	9.3	22	18	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10
14	19.3	17.9	11	24	30	10

2405M / 2405A

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



2400A 2405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	5.7	11.2	2.7	22	7	10
5/32	6.7	11.2	3.5	22	8	10
3/16	7.8	11.2	5	22	8	10
7/32	8.5	11.2	5.5	22	9	10
1/4	9.6	11.2	5.8	22	9	10
9/32	10.3	11.2	6	22	9	10
5/16	11.2	11.7	6.9	22	11	10
11/32	12.5	11.7	7.3	22	12	10
3/8	13.7	12.5	7.7	22	15	10
7/16	15.5	14.3	9.3	22	18	10
1/2	18	16.4	9.8	22	23	10
9/16	19.3	17.9	11	24	30	10

RS2400M/12
RS2405M/12

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2400M/12	12 Pieces Set/Rail 200mm	(g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		200

RS2405M/12	12 Pieces Set/Rail 200mm	(g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		200

RS2400A/9
RS2405A/9

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

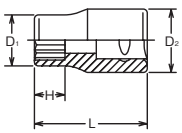
RS2400A/9	9 Pieces Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		162

RS2405A/9	9 Pieces Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		162

AS2405A

12-point Sockets, AS954
12-kant Steckschlüssel, AS954
Douilles 12-pans, AS954

SAE AS954



AS2405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/16	7.7	10.9	5.1	22	8	10
7/32	8.5	10.9	5.5	22	8	10
1/4	9.4	10.9	5.9	22	8	10
9/32	10.2	10.9	6.1	22	8	10
5/16	11.3	11.7	7.3	22	10	10
11/32	12.5	12	7.5	22	10	10
3/8	13.7	12.9	8.2	22	13	10
7/16	15.6	14.3	9.4	22	17	10
1/2	17.2	16.4	10.3	22	20	10
9/16	18.8	17.9	11	24	27	10

Aerospace Standard SAE AS954

RSAS2405A/10

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

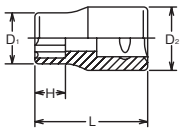
SAE AS954

RSAS2405A/10	10 Pieces Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16		160

SURFACE DRIVE

2410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



2410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	6.7	11.2	3.5	22	8	10
4.5	7.3	11.2	4	22	8	10
5	8	11.2	5	22	8	10
5.5	8.5	11.2	5.5	22	9	10
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
9	13	12	7.3	22	12	10
10	14.3	12.9	7.7	22	15	10
11	15.5	14.3	9.3	22	18	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10
14	19.3	17.9	11	24	30	10

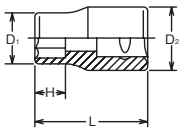
RS2410M/12

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2410M/12	12 Pieces Set/Rail 200mm	(g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		222

2400W-BA

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



2400W (BA)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	6.1	11.2	3	22	7	10
7	7.3	11.2	4	22	8	10
6	8	11.2	5	22	8	10
5	8.5	11.2	5.5	22	9	10
4	9.6	11.2	5.8	22	9	10
3	10.3	11.2	6	22	9	10
2	11.2	11.7	6.9	22	11	10
1	13	12	7.3	22	12	10
0	14.9	13.6	8	22	16	10

RS2400W/9-BA

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

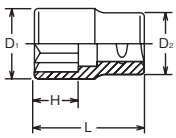
RS2400W/9-BA	9 Pieces Set/Rail 150mm	(g)
8, 7, 6, 5, 4, 3, 2, 1, 0		120

BA

BA		8BA	7BA	6BA	5BA	4BA	3BA	2BA	1BA	0BA
S	(ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
	(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

2415M / 2415A

Double 4-point Sockets
Doppelvierkant Steckschlüssel
Douilles mâles 4-pans doubles



2415M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	10.3	11.2	5.4	22	10	10
6	11	11.7	5.4	22	13	10
7	12.5	11.7	6.1	22	13	10
8	14.3	12.9	6.8	22	17	10
10	17.4	16	8.2	22	27	10

2415A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	11	11.7	5.4	22	14	10
5/16	14.3	12.9	6.8	22	17	10
11/32	15.9	14.3	7.5	22	21	10
3/8	17.4	16	8.2	22	26	10

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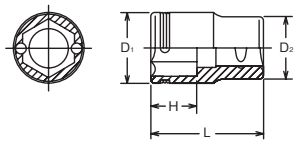
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

2450MS / 2450AS

Nut Grip Sockets **Nut Grip®**
Steckschlüssel mit 2-facher Kugelhalterung
Douilles à billes de retenue

NUT GRIP®



	2450MS (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
New	**5**	9.2	11.2	3.5	17	6	10
New	**5.5**	9.8	11.2	3.5	17	7	10
New	**6**	10.2	11.2	3.5	17	8	10
	7	11.5	11.2	4	18	8	10
	8	12.3	11.7	5	18	9	10
New	**9**	13.3	12	5.5	19	12	10
	10	14.3	12.9	6	19	13	10
New	**11**	15.8	14.3	6.5	20	15	10
	12	16.8	16	7	20	22	10
	13	18	17	8	21	22	10
	14	20	18	8.5	22	31	10

	2450AS (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
New	**1/4**	10.7	11.2	3.5	17	8	10
New	**5/16**	12.3	11.7	5	18	9	10
New	**3/8**	14.3	12.9	6	19	14	10
New	**7/16**	16	14.3	6.5	20	17	10
New	**1/2**	18	16.4	8	21	23	10
New	**9/16**	20	18	8.5	22	31	10

RS2450MS/11

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

	RS2450MS/11	11 Pieces Set/Rail 200mm	(g)
New	**5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14**		194

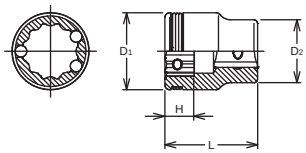
RS2450AS/6

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

	RS2450AS/6	6 Pieces Set/Rail 150mm	(g)
New	**1/4, 5/16, 3/8, 7/16, 1/2, 9/16**		120

2455AS

12-point **Nut Grip®** Sockets with 3 Ball retaining
12-kant Steckschlüsseleinsätze mit 3fach Kugelsicherung
Douilles pour écrous à 12 points avec 3 retenues de billes



	2455AS (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
New	**7/32**	10.2	11.2	3.5	17	8	10
New	**1/4**	11.8	11.2	3.5	17	9	10
New	**9/32**	12.5	11.2	4	17	10	10
New	**5/16**	13.5	11.7	5	18	12	10
New	**11/32**	14.1	12	5.5	19	14	10
New	**3/8**	15.4	12.9	6	19	16	10
New	**7/16**	17	15	6.5	20	21	10
New	**1/2**	18.9	17	8	21	26	10
New	**9/16**	20.7	18.7	8.5	22.5	34	10

RS2455AS/6

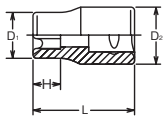
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

	RS2455AS/6	6 Pieces Set/Rail 150mm	(g)
New	**1/4, 5/16, 3/8, 7/16, 1/2, 9/16**		138

1/4”

2425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



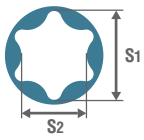
2425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	5.4	11.2	4.6	22	7	10
E 5	6.7	11.2	5.2	22	8	10
E 6	7.7	11.2	5.4	22	8	10
E 7	8.3	11.2	6.6	22	9	10
E 8	9.6	11.2	7	22	9	10
E10	11.3	12	8.2	22	10	10
E11	12.9	12	8.7	22	13	10
E12	14.3	12.9	9.3	23	17	10

RS2425/6

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2425/6	6 Pieces Set/Rail 150mm	(g)
	E4, E5, E6, E7, E8, E10	85

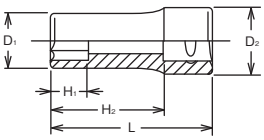
TORX® (E)



E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

2300X

6-point Sockets, Semi-Deep
6-kant Steckschlüssel, mittel-lang
Douilles, semi-profondes 6-pans



2300X (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
4	6.7	11.2	4	22	32	10	10
5	8	11.2	5.5	22	32	11	10
5.5	8.5	11.2	6	22	32	12	10
6	9.2	11.2	7	22	32	12	10
7	10.5	11.2	8	22	32	13	10
8	11.8	11.2	9	22	32	16	10
9	13	12	10	22	32	18	10
10	14.3	12.9	11	21	32	23	10
11	15.5	14.3	12	21	32	27	10
12	16.8	15.5	13	21	32	29	10
13	18	16.4	14	21	32	32	10
14	19.3	17.9	16	20	32	37	10

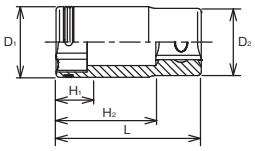
RS2300X/12

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2300X/12	12 Pieces Set/Rail 200mm	(g)
	4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14	270

2350X

Nut Grip Socket, Semi-Deep **Nut Grip®**
Steckschlüssel mit 2-facher Kugelhalterung, mittel-lang
Douilles à billes de retenue, semi-profondes



2350X (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	12.3	11.7	5	21.5	32	17	10
10	14.3	12.9	6	21.5	32	22	10
12	16.8	16	7	21.5	32	34	10
New **13**	18	17	8	21.5	32	40	10
14	20	18	8.5	21.5	32	43	10

NUT GRIP®

RS2350X/4

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2350X/4	4 Pieces Set/Rail 150mm	(g)
	8, 10, 12, 14	140

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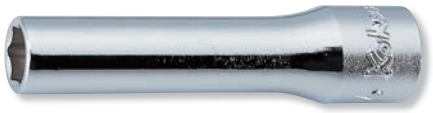
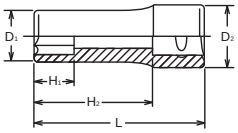
2300M / 2300A

6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans

FLAT DRIVE®

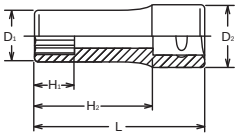




2300M 2305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
3	5.5	11.2	3	40	50	15	10
4	6.7	11.2	4	40	50	15	10
4.5	7.3	11.2	4.5	40	50	15	10
5	8	11.2	5.5	40	50	17	10
5.5	8.5	11.2	6	40	50	17	10
6	9.2	11.2	7	40	50	20	10
7	10.5	11.2	8	40	50	25	10
8	11.8	11.2	9	40	50	25	10
9	13	12	10	40	50	30	10
10	14.3	12.9	11	39	50	34	10
11	15.5	14.3	12	39	50	43	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	52	10
14	19.3	17.9	16	38	50	57	10

2305M / 2305A

12-point Deep Sockets
12-kant Steckschlüssel,lang
Douilles longues, 12-pans



2300A 2305A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
1/8	5.7	11.2	3.5	40	50	15	10
5/32	6.7	11.2	4	40	50	15	10
3/16	7.8	11.2	5.5	40	50	17	10
7/32	8.5	11.2	6	40	50	17	10
1/4	9.8	11.2	7	40	50	25	10
9/32	10.5	11.2	8	40	50	25	10
5/16	11.8	11.2	9	40	50	25	10
11/32	12.5	11.7	10	40	50	30	10
3/8	13.7	12.5	11	40	50	34	10
7/16	15.5	14.3	12	39	50	43	10
1/2	18	16.4	14	39	50	52	10
9/16	19.3	17.9	16	38	50	57	10

RS2300M/12
RS2305M/12

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2300M/12	12 Pieces Set/Rail 200mm	(g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		400

RS2305M/12	12 Pieces Set/Rail 200mm	(g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		400

RS2300A/9
RS2305A/9

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

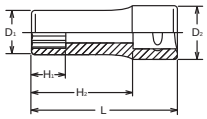
RS2300A/9	9 Pieces Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		296

RS2305A/9	9 Pieces Set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2		296

AS2305A

12-point Deep Sockets, AS954
12-kant Steckschlüssel, lang, AS954
Douilles longues 12-pans, AS954

SAE AS954



AS2305A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
3/16	7.7	10.9	6	40	50	17	10
7/32	8.5	10.9	6.5	40	50	17	10
1/4	9.4	10.9	7	40	50	19	10
9/32	10.2	10.9	8	40	50	18	10
5/16	11.3	11.7	9	40	50	23	10
11/32	12.5	12	10	40	50	24	10
3/8	13.7	12.8	11	39	50	31	10
7/16	15.6	14.2	12	39	50	38	10
1/2	17.2	16.2	14	39	50	42	10
9/16	18.8	17.1	16	38	50	47	10

Aerospace Standard SAE AS954

RSAS2305A/10

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

SAE AS954

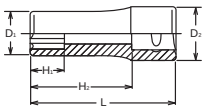
RSAS2305A/10	10 Pieces set/Rail 150mm	(g)
3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16		307

1/4”

2310M

Surface Drive Deep Sockets
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive

SURFACE DRIVE



2310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
3	5.5	11.2	3	40	50	15	10
4	6.7	11.2	4	40	50	15	10
4.5	7.3	11.2	4.5	40	50	15	10
5	8	11.2	5.5	40	50	17	10
5.5	8.5	11.2	6	40	50	17	10
6	9.2	11.2	7	40	50	20	10
7	10.5	11.2	8	40	50	25	10
8	11.8	11.2	9	40	50	25	10
9	13	12	10	40	50	30	10
10	14.3	12.9	11	39	50	34	10
11	15.5	14.3	12	39	50	43	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	52	10
14	19.3	17.9	16	38	50	57	10

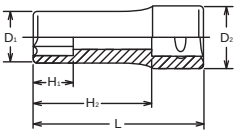
RS2310M/12

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2310M/12	12 Pieces set/Rail 200mm	(g)
4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14		400

2300W-BA

6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans



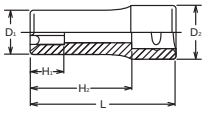
2300W (BA)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
4	9.8	11.2	7	40	50	22	10
3	10.5	11.2	8	40	50	25	10
2	11.8	11.2	9	40	50	25	10
1	13	12	10	40	50	30	10
0	14.9	13.6	12	39	50	38	10

BA

BA		8BA	7BA	6BA	5BA	4BA	3BA	2BA	1BA	0BA
S	(ref. mm)	3.86	4.37	4.90	5.59	6.30	7.16	8.23	9.27	10.49
	(ref. inch)	0.152	0.172	0.193	0.220	0.248	0.282	0.324	0.365	0.413

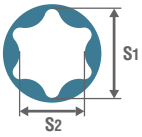
2325

TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®



2325 (E)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
E 4	5.4	12	4.6	40	50	17	10
E 5	6.8	12	5.2	40	50	20	10
E 6	8	12	5.4	40	50	20	10
E 7	8.3	12	6.6	40	50	22	10
E 8	9.8	12	7	40	50	25	10
E10	11.6	12	8.2	40	50	29	10

TORX® (E)

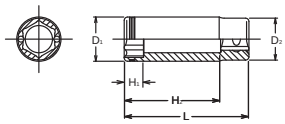


E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

2350M

Nut Grip Deep Sockets **Nut Grip®**
Steckschlüssel mit 2-facher Kugelhalterung, lang
Douilles longues à billes de retenue

NUT GRIP®



2350M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	12.3	11.7	5	39.5	50	30	10
10	14.3	12.9	6	39.5	50	35	10
12	16.8	16	7	39.5	50	55	10
New **13**	18	17	8	39.5	50	65	10
14	20	18	8.5	39.5	50	70	10

RS2350M/4

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2350M/4	4 Pieces Set/Rail 150mm	(g)
8, 10, 12, 14		220

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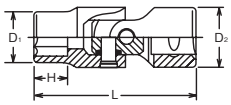
1/4”

2440M / 2440A

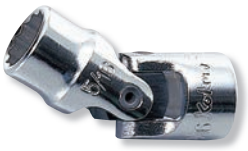
6-point Universal Sockets
6-kant Gelenk-Einsätze
Douilles articulées, 6-pans

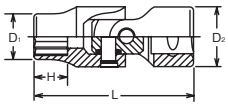


2440M 2445M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	6.7	13	4.8	31.5	17	10
5	8	13	5.3	32	17	10
6	9.2	13	6.1	33	18	10
7	10.5	13	6.5	33	19	10
8	11.7	13	7	34	19	10
9	13	13	7	34	20	10
10	14.2	13	8.3	35	20	10
11	15.5	13	9.5	36	21	10
12	16.7	13	10	37	21	10
13	18	13	10.5	37	26	10
14	19.2	13	10.5	37	28	10

2445M / 2445A

12-point Universal Sockets
12-kant Gelenk-Einsätze
Douilles articulées, 12-pans





2440A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	9.8	13	6.5	33	18	10
5/16	11.7	13	7	34	19	10
3/8	13.7	13	8.3	35	20	10
7/16	15.5	13	9.5	36	21	10
1/2	18	13	10.5	37	26	10
9/16	19.2	13	10.5	37	28	10

2445A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/16	8	13	5.3	32	18	10
1/4	9.8	13	6.5	33	18	10
9/32	10.5	13	6.5	33	19	10
5/16	11.7	13	7	34	19	10
11/32	13	13	7	34	20	10
3/8	13.7	13	8.3	35	20	10
7/16	15.5	13	9.5	36	21	10
1/2	18	13	10.5	37	26	10
9/16	19.2	13	10.5	37	28	10

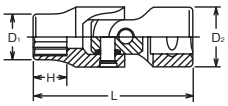
RS2445A/9

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2445A/9	9 Pieces set/Rail 150mm	(g)
	3/16, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16	220

AS2445A

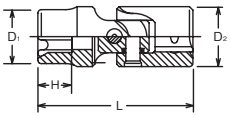
12-point Universal Sockets
12-kant Gelenk-Einsätze
Douilles articulées, 12-pans



AS2445A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	9.6	12.9	5.7	31.8	18	10
5/16	11.7	12.9	7	34.6	21	10
3/8	13.5	12.9	8.3	35.1	21	10
7/16	15.5	12.9	9.5	39.1	25	10
1/2	17.2	12.9	10.5	40.1	27	10

2440T

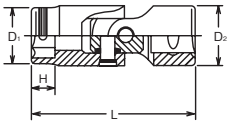
TORX® Universal Sockets
TORX® Gelenk-Einsätze
Douilles articulées TORX®



2440T (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 6	8	13	5.4	31.9	20	10
E 8	9.8	13	7	33.1	20	10
E10	11.7	13	8.2	33.6	21	10
E12	14.2	13	9.3	35.1	24	10

2441M

Nut Grip Universal Sockets **Nut Grip®**
Gelenk-Einsätze mit zweifacher Kugelhalterung
Douilles articulées à billes de retenue



NUT GRIP®

2441M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
New **5**	9.2	13	3.5	31.5	20	10
New **5.5**	9.8	13	3.5	31.5	20	10
6	10.2	13	3.5	31.5	19	10
7	11.3	13	4	31.5	20	10
8	12.3	13	5	32	20	10
10	14.5	13	6	32.5	21	10
New **11**	15.5	13	6.5	33.5	21	10
12	16.8	13	7	34	24	10
13	18	13	8	35	25	10
14	20	13	8.5	35.5	30	10
New **15**	21	13	9	36	32	10

RS2441M/11

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2441M/11	11 Pieces Set/Rail 200mm	(g)
New	**5, 5.5, 6, 7, 8, 10, 11, 12, 13, 14, 15**	280

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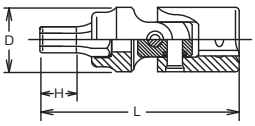
2430M

Universal Hex Sockets
Gelenk-Einsätze für Schrauben mit Innensechskant
Douilles articulées, 6-pans mâles

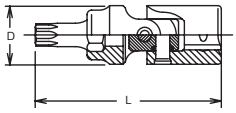
2430M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	13	5.5	40	18	10
4	13	5.5	40	18	10
5	13	6.5	40	20	10
6	13	7.5	40	21	10



2430T

TORX® Universal Sockets
TORX® Gelenk-Einsätze
Douilles articulées TORX®

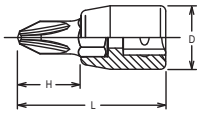
2430T (T)	D (mm)	L (mm)	(g)	(pcs.)
T 8	13	42	22	10
T 9	13	42	22	10
T10	13	42	22	10
T15	13	42	22	10
T20	13	42	22	10
T25	13	42	22	10
T27	13	42	22	10
T30	13	42	22	10



2000-28 (PH)

PH Bit Sockets
Steckschlüssel für Kreuzschlitzschrauben, PH
Douilles tournevis pour vis à empreinte PH

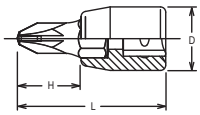
2000-28 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	11.9	12	28	10	10
2	11.9	12	28	11	10
3	11.9	12	28	12	10
4	13.1	11	28	14	10



2000-28 (PZ)

PZ Bit Sockets
Steckschlüssel für Kreuzschlitzschrauben,PZ
Douilles tournevis pour vis à empreinte PZ

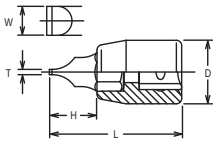
2000-28 (PZ)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
PZ1	11.9	12	28	10	10
PZ2	11.9	12	28	11	10
PZ3	11.9	12	28	12	10



2005-25

Bit Sockets for Slotted Head
Steckschlüssel für Schlitzschrauben
Douilles tournevis pour vis à fente

2005-25	T×W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	0.5× 3	11.9	9	25	9	10
4	0.8× 4	11.9	9	25	10	10
5	1.0× 5.5	11.9	9	25	10	10
6	1.2× 6.5	13.1	9	25	11	10
8	1.2× 8	13.1	9	25	12	10
9	1.6× 8	13.1	9	25	12	10
10	1.6×10	14.3	9	25	13	10



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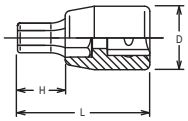
1/4”

2010M-25 / -100
2010A-25 / -100

Inhex Bit Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux



2010A-25 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	11.9	9	25	9	10
5/32	11.9	9	25	9	10
3/16	11.9	9	25	10	10
7/32	11.9	9	25	11	10
1/4	11.9	9	25	12	10
9/32	13.1	8	25	12	10
5/16	13.1	8	25	14	10
3/8	14.3	8	25	17	10
7/16	18.1	8	25	35	10

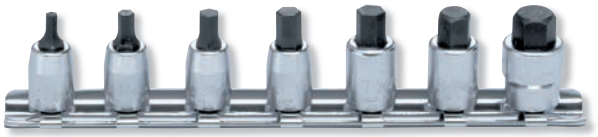
2010A-100 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
New **1/8**	11.9	84	100	29	10
New **5/32**	11.9	84	100	30	10
New **3/16**	13.1	83	100	45	10
New **7/32**	13.1	83	100	46	10
New **1/4**	13.1	83	100	46	10
New **9/32**	13.1	83	100	47	10
New **5/16**	13.1	83	100	49	10
New **3/8**	14.3	83	100	75	10

2010M-25 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1.5	11.9	9	25	9	10
2	11.9	9	25	9	10
2.5	11.9	9	25	9	10
3	11.9	9	25	9	10
4	11.9	9	25	9	10
5	11.9	9	25	10	10
6	11.9	9	25	12	10
7	13.1	8	25	12	10
8	13.1	8	25	14	10
10	14.3	8	25	17	10
12	16.4	8	25	36	10

2010M-100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2	11.9	84	100	30	10
2.5	11.9	84	100	30	10
3	11.9	84	100	30	10
4	11.9	84	100	30	10
5	13.1	83	100	30	10
6	13.1	83	100	35	10
7	13.1	83	100	35	10
8	13.1	83	100	38	10
10	14.3	83	100	45	10
12	16.4	83	100	107	10

RS2010M/7-L25
RS2010A/8-L25

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

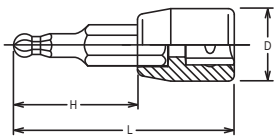


RS2010M/7-L25 — 7 Pieces set/Rail 150mm	(g)
3, 4, 5, 6, 7, 8, 10	115

RS2010A/8-L25 — 8 Pieces set/Rail 150mm	(g)
1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 3/8	130

2011M-50

Ballpoint Inhex Sockets
Steckschlüssel mit Kugelkopf, für Innensechskant-Schrauben
Douilles tournevis avec tête sphérique pour vis 6-pans creux



2011M-50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	11.9	34	50	16	10
4	11.9	34	50	17	10
5	11.9	34	50	18	10
6	11.9	34	50	18	10

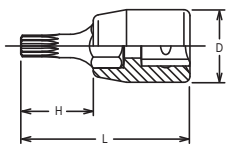
Ball point bit sockets have less strength due to the special design. Make sure to use them correctly.

Kugelkopf-Biteinsätze haben aufgrund der speziellen Form eine geringere Festigkeit. Achten Sie darauf, sie richtig zu verwenden.

Les douilles pour embouts à tête sphérique sont moins résistantes en raison de leur conception spéciale. Veuillez les utiliser correctement.

2020-28 / -50

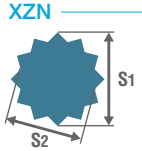
XZN Bit Sockets
Steckschlüssel für XZN Schrauben
Douilles tournevis pour empreinte XZN



2020-28 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M4	11.9	12	28	12	10
M5	11.9	12	28	12	10
M6	11.9	12	28	13	10
M8	13.1	11	28	14	10

2020-50 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M4	11.9	34	50	20	10
M5	11.9	34	50	20	10
M6	11.9	34	50	22	10
M8	13.1	33	50	24	10

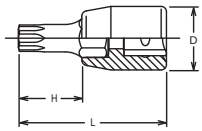
XZN



XZN		M4	M5	M6	M8	M10	M12	M14	M16	M18
S_1	(ref. mm)	3.6	4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9
S_2	(ref. mm)	3.1	4.1	5.1	6.1	8.1	9.7	11.2	13.2	14.2

2025-28 / -80 (T)

TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis,TORX®



2025-28 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T 8	11.9	12	28	10	10
T 9	11.9	12	28	10	10
T10	11.9	12	28	10	10
T15	11.9	12	28	10	10
T20	11.9	12	28	11	10
T25	11.9	12	28	11	10
T27	11.9	12	28	12	10
T30	11.9	12	28	12	10
T40	11.9	12	28	13	10

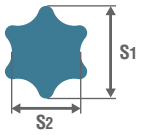
2025-80 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10	11.9	64	80	40	10
T15	11.9	64	80	40	10
T20	11.9	64	80	42	10
T25	11.9	64	80	42	10
T27	11.9	64	80	45	10
T30	11.9	64	80	45	10
T40	11.9	64	80	50	10

RS2025/7-L28

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2025/7-L28	7 Pieces set/Rail 150mm	(g)
T10, T15, T20, T25, T27, T30, T40		119

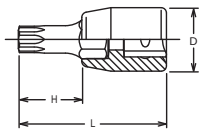
TORX® (T)



T		T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
S_1	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6	17.6	20.0	22.2
S_2	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1	12.7	14.2	15.8

2025-28 (TH)

Tamper-Resistant TORX® Bit Sockets
Tamper-Resistant TORX® Bit-Steckschlüssel
Douilles tournevis, Tamper-Resistant TORX®



2025-28 (TH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10H	11.9	12	28	10	10
T15H	11.9	12	28	10	10
T20H	11.9	12	28	11	10
T25H	11.9	12	28	11	10
T27H	11.9	12	28	12	10
T30H	11.9	12	28	12	10
T40H	11.9	12	28	13	10

RS2025/7-HOLE

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2025/7-HOLE	7 Pieces set/Rail 150mm	(g)
T10H, T15H, T20H, T25H, T27H, T30H, T40H		119

Tamper Resistant TORX® Bit Sockets have less strength due to special design. Make sure to use it correctly.

Die manipulationssicheren TORX®-Bit-Einsätze haben aufgrund ihres speziellen Designs eine geringere Festigkeit. Achten Sie darauf, sie richtig zu verwenden.

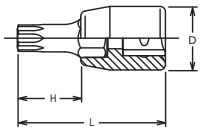
Les douilles à embouts TORX® à l'abri des manipulations ont une résistance moindre en raison de leur conception spéciale. Veuillez les utiliser correctement.

TORX® is a registered trademark of **CAMCAR Innovations.**
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

1/4”

2025-28 (IP)

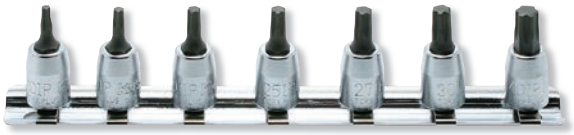
TORXPLUS® Bit Sockets
TORXPLUS® Bit-Steckschlüssel
Douilles tournevis, TORXPLUS®



2025-28 (IP)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8IP	11.9	12	28	10	10
9IP	11.9	12	28	10	10
10IP	11.9	12	28	10	10
15IP	11.9	12	28	10	10
20IP	11.9	12	28	11	10
25IP	11.9	12	28	11	10
27IP	11.9	12	28	12	10
30IP	11.9	12	28	12	10
40IP	11.9	12	28	13	10

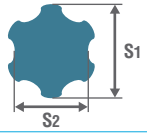
RS2025/7-IP

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail



RS2025/7-IP	7 Pieces set/Rail 150mm	(g)
10IP, 15IP, 20IP, 25IP, 27IP, 30IP, 40IP		119

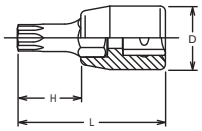
TORXPLUS® (IP)



IP		8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S_1	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S_2	(ref. mm)	1.8	1.9	2.1	2.5	3.0	3.4	3.9	4.3	5.2	6.2	6.9	9.0	10.4	12.3

2025-28 (IPR)

Tamper-Resistence TORXPLUS® Bit Sockets
Tamper-Resistence TORXPLUS® Bit-Steckschlüssel
Douilles tournvis TORXPLUS® avec trou



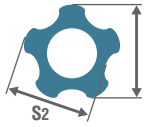
2025-28 (IPR)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8IPR	11.9	12	28	10	10
9IPR	11.9	12	28	10	10
10IPR	11.9	12	28	10	10
15IPR	11.9	12	28	10	10
20IPR	11.9	12	28	11	10
25IPR	11.9	12	28	11	10
27IPR	11.9	12	28	12	10
30IPR	11.9	12	28	12	10
40IPR	13.1	12	28	13	10

RS2025/7-IPR

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2025/7-IPR	7 Pieces set/Rail 150mm	(g)
10IPR, 15IPR, 20IPR, 25IPR, 27IPR, 30IPR, 40IPR		119

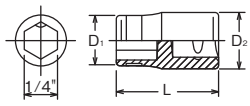
TORXPLUS® (IPR)



IPR		8IPR	9IPR	10IPR	15IPR	20IPR	25IPR	27IPR	30IPR	40IPR	45IPR	50IPR	55IPR
S_1	(ref. mm)	2.2	2.4	2.6	3.1	3.6	4.1	4.7	5.2	6.3	7.4	8.4	10.6
S_2	(ref. mm)	2.0	2.2	2.4	2.8	3.3	3.8	4.3	4.8	5.7	6.7	7.6	9.7

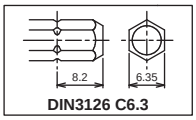
2137

Bit Holder
Klingenhalter
Porte-embouts



	D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)
2137	12	12	22.5	13	10

For DIN3126 C6.3 Bits
Für DIN3126 C6.3 Bits
Pour DIN3126 C6.3 Embouts

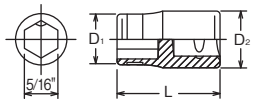


DIN3126 C6.3

D6.3

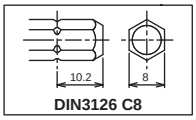
2138

Bit Holder
Klingenhalter
Porte-embouts



	D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)
2138	16	16	26	32	10

For DIN3126 C8 Bits
Für DIN3126 C8 Bits
Pour DIN3126 C8 Embouts



DIN3126 C8

D8

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TORXplus est une marque déposée de **CAMCAR Innovations.**

SODH-System | 2 Two-Step Dog | 20

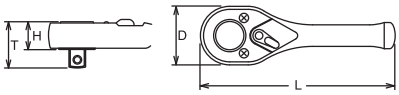
* Renewal Kits → 2753RK P318

RATCHET HANDLE

2753PS

Reversible Ratchet (Short)
Knarre kurz, verstellbar
Cliquet courte, réversible

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2753PS	22	18.7	11.4	75	55	5



SODH-System | 2 Two-Step Dog | 20

* Renewal Kits → 2753RK P318

2753J

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

SODH-System | 2 Two-Step Dog | 20

* Renewal Kits → 2753RK P318

2753P

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

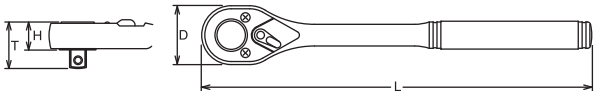
SODH-System | 2 Two-Step Dog | 20

* Renewal Kits → 2753RK P318

2753N

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2753J	22	18.7	11.4	115	77	1
2753P	22	18.7	11.4	115	87	1
2753N	22	18.7	11.4	115	90	1



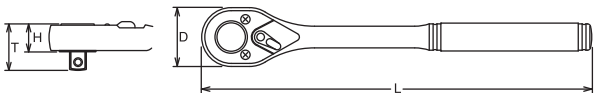
SODH-System | 2 Two-Step Dog | 20

* Renewal Kits → 2753RK P318

2753P-160

Reversible Ratchet (Long)
Verstellbare Knarre, lang
Cliquet réversible, longue

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2753P-160	22	18.7	11.4	160	107	1



2753P-160 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

1/4”

2753JB

Reversible Ratchet with quick release button
Knarre, verstellbar mit Entriegelungsknopf
Cliquet, réversible avec bouton de débrayage

* Renewal Kits → 2753BRK ➡P318

2753PB

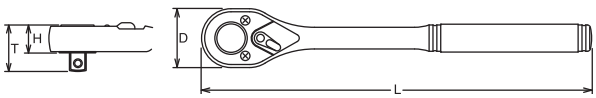
Reversible Ratchet with quick release button
Knarre, verstellbar mit Entriegelungsknopf
Cliquet, réversible avec bouton de débrayage

* Renewal Kits → 2753BRK ➡P318

2753NB

Reversible Ratchet with quick release button
Knarre, verstellbar mit Entriegelungsknopf
Cliquet, réversible avec bouton de débrayage

* Renewal Kits → 2753BRK ➡P318



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2753JB	22	18.7	11.4	115	77	1
2753PB	22	18.7	11.4	115	87	1
2753NB	22	18.7	11.4	115	90	1

Reversible Ratchet with Quick Release Button :
Sockets and accessories are safely locked. By pushing the button the sockets or extension bars are released from the ratchet.

Umstellbare Knarre mit Entriegelungsknopf :
Steckschlüssel und Zubehörteile werden sicher und fest gehalten. Bei Drücken des Knopfes lösen sich die Teile.

Cliquet réversible à verrouillage :
Les douilles et accessoires ne peuvent plus tomber. Une pression du pouce sur le bouton suffit pour les libérer.

2774JS

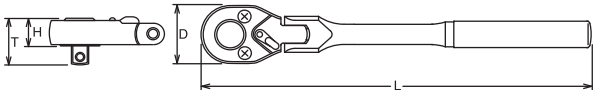
Flexible Ratchet, reversible
Gelenk-Knarre, verstellbar
Cliquet articulé, réversible

* Renewal Kits → 2753RK ➡P318

2774PS

Flexible Ratchet, reversible
Gelenk-Knarre, verstellbar
Cliquet articulé, réversible

* Renewal Kits → 2753RK ➡P318



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2774JS	22	18.7	11.4	116	113	1
2774PS	22	18.7	11.4	116	110	1

1/4”

2774J

Flexible Ratchet, reversible
Gelenk-Knarre, verstellbar
Cliquet articulé, réversible

* Renewal Kits → 2753RK P318

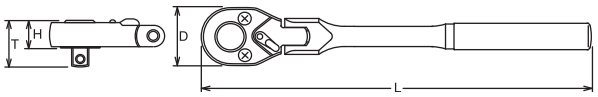
2774P

Flexible Ratchet, reversible
Gelenk-Knarre, verstellbar
Cliquet articulé, réversible

* Renewal Kits → 2753RK P318

2774N

Flexible Ratchet, reversible
Gelenk-Knarre, verstellbar
Cliquet articulé, réversible

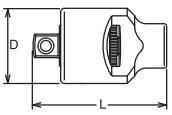


* Renewal Kits → 2753RK P318

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2774J	22	18.7	11.4	161	130	1
2774P	22	18.7	11.4	161	126	1
2774N	22	18.7	11.4	161	130	1

2755

Ratchet Adaptor
Aufsteckknarre
Cliquet adaptable

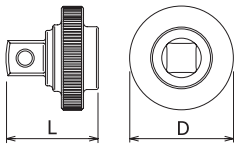


* Renewal Kits → 2755RK P319

	D (mm)	L (mm)	(g)	(pcs.)
2755	26	40	80	10

2756

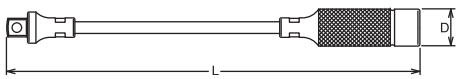
Quick Spinner
Rändel-Drehscheibe
Lanceur



	D (mm)	L (mm)	(g)	(pcs.)
2756	22	20	19	10

2762

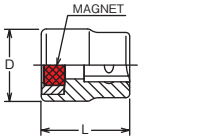
Flexible Extension Bar
Biegsame Verlängerung
Rallonge flexible



	D (mm)	L (mm)	(g)	(pcs.)
2762	13	300	90	2

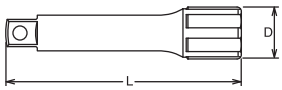
2120

Magnetic Head
Magnetkopf
Tête aimantée



	D (mm)	L (mm)	(g)	(pcs.)
2120	14.3	17.5	21	10

2760 Extension Bars
Verlängerungen
Rallonges



	D (mm)	L (mm)	(g)	(pcs.)
2760-28	12.3	28	14	10
2760-50	12.3	50	23	10
2760-75	12.3	75	35	10
2760-100	12.3	100	44	10
2760-150	12.3	150	63	10
2760-200	12.3	200	83	10
2760-250	12.3	250	103	10
2760-300	12.3	300	122	2
2760-350	12.3	350	145	2
2760-400	12.3	400	160	2
2760-600	12.3	600	240	2

PK2760/6 Extension Set in Plastic Box
Verlängerungen in Kunststoffkassette
Jeu de rallonges en boîte plastique

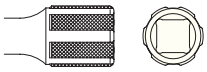
PK2760/6 — 6 Pieces Set/=430g

PLASTIC TRAY

Extension Bars

2760 Extension Bars
28, 50, 100, 150, 200, 250

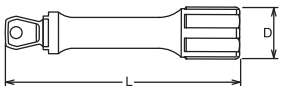
Rotation and general handling of extensions with oily hands is greatly improved with the Koken developed 6 point knurling. Also the Koken 6 point knurling stops the extensions from rolling around the work area.



Durch die von Koken entwickelte 6 fache Rändelung wird die Handhabung deutlich erleichtert. Außerdem wird das Herumrollen der Verlängerungen wirksam verhindert.

La manipulation des rallonges est grandement facilitée par le profil moleté développé par Koken. Ce même profile empêche le roulement intempestif des rallonges sur le plan de travail.

2763 Wobble-Fix Extension Bars
Winkel-Verlängerungen
Rallonges angulaires



WOBBLE-FIX EXTENSION BAR

	D (mm)	L (mm)	(g)	(pcs.)
2763-28	12.3	28	14	10
2763-50	12.3	50	23	10
2763-75	12.3	75	33	10
2763-100	12.3	100	43	10
2763-150	12.3	150	62	10
2763-200	12.3	200	80	10
2763-250	12.3	250	100	10

PK2763/6 Wobble-Fix Extension Bars in Plastic Box
Winkel-Verlängerungen in Kunststoffkassette
Jeu de rallonges angulaires en boîte plastique

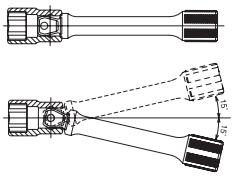
PK2763/6 — 6 Pieces Set/=420g

PLASTIC TRAY

Extension Bars

2763 Wobble-Fix Extension Bars
28, 50, 100, 150, 200, 250

Wobble-Fix Extension Bar
Two way usage
a) In a fixed position, as a normal extension bar
b) In a half-fixed position, as a flexible extension bar providing a 15° angle operation



Winkel-Verlängerungen
Winkelverlängerungen lassen sich in zwei Einstellungen verwenden
a) voll eingesteckt und starr,
b) halb eingesteckt, mit einem Arbeitswinkel von 15°.

Rallonges angulaires
Deux utilisations possibles
a) comme rallonge normale, dans une position fixe
b) comme une rallonge angulaire avec une possibilité d'inclinaison jusqu'à 15°

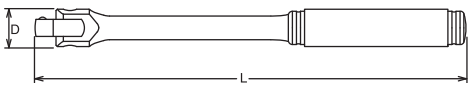
The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

Die Wobble-Fix Verlängerungen haben aufgrund ihrer speziellen Konstruktion mit einem reduzierten Vierkantantrieb eine geringere Festigkeit als eine normale Verlängerung. Achten Sie darauf, sie richtig zu verwenden.

La barre d'extension wobble-fix est moins résistante qu'une barre d'extension normale en raison de sa conception spécifique avec un carré d'entraînement réduit. Veillez à l'utiliser correctement.

2768J Hinge Handle
Gelenkgriff
Poignée articulée

2768P Hinge Handle
Gelenkgriff
Poignée articulée



* Renewal Kits → **2768RK** ➡P321

* Renewal Kits → **2768RK** ➡P321

	D (mm)	L (mm)	(g)	(pcs.)
2768J	14	130	73	5
2768P	14	130	70	10

2769N-150 / -220

Spin Type Handle
Drehgriff
Poignée emmanchée

2769N	H (mm)	L (mm)	(g)	(pcs.)
150	50	150	73	2
220	120	220	100	2

Plastic or rubber handles are not intended to act as insulation.

Plastik-oder Gummigriffe stellen keinen Isolierschutz dar.

Les poignées en plastique ou en caoutchouc ne garantissent aucune isolation électrique.

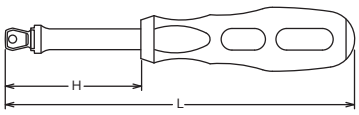
2769NWF-150 / -220

Spin Type Handle(Wobble-Fix)
Drehgriff, Wobble-Fix
Poignée emmanchée, angulaire

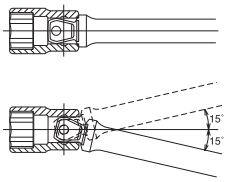
WOBBLE-FIX EXTENSION BAR

Wobble-Fix

2769NWF	H (mm)	L (mm)	(g)	(pcs.)
150	50	150	73	2
220	120	220	100	2



Wobble-Fix Extension Bar
Two way usage:
One for as a flexible extension bar to provide at 15° angle operation, the other for use as a normal extension bar.



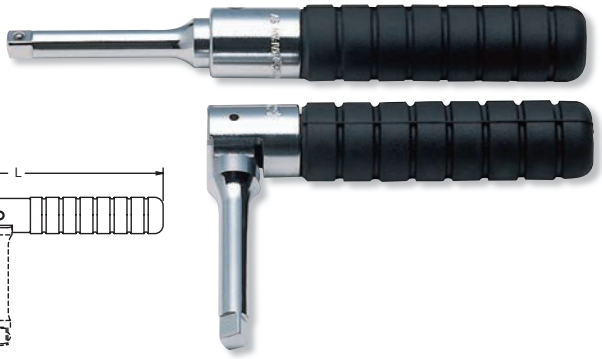
Woble-Fix Verlängerung
Zwei Verwendungsmöglichkeiten:
zum einen als flexible Verlängerung für den Betrieb in einem Winkel von 15°, zum anderen als normale Verlängerung.

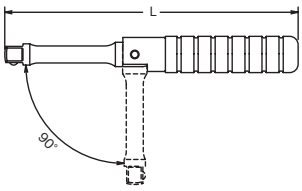
Barre d'extension Woble-Fix
Utilisation double:
l'une comme barre d'extension flexible pour fournir un angle de 15°, l'autre comme barre d'extension normale.

2769H

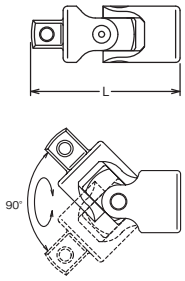
Folding Socket Driver
Klapp-Drehgriff
Poignée tournevis articulée

	L (mm)	(g)	(pcs.)
2769H	160	180	5



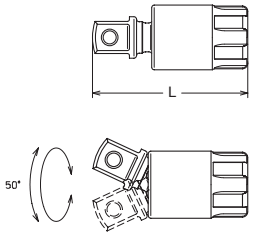


2770
Universal Joint
Gelenk-Einsatz
Cardan universel



	L (mm)	(g)	(pcs.)
2770	33	20	10

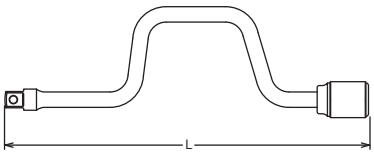
2771
Universal Joint
Gelenk-Einsatz
Joint articulé



	L (mm)	(g)	(pcs.)
2771	31	20	10

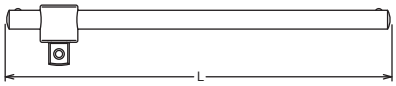
UNIVERSAL JOINT

2780
Speed Handle
Winde
Vilebrequin



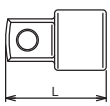
	L (mm)	(g)	(pce.)
2780	350	250	1

2785
T-Handle
T-Griff
Poignée coulissante



	L (mm)	(g)	(pcs.)
2785	115	36	10

2233A
Adaptor
Verbindungsstück
Augmentateur



	□ (sq.)	◻ (sq.)	L (mm)	(g)	(pcs.)
2233A	1/4"	3/8"	22	16	10

ESH2001

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

ESH2001	16 Pieces Set/=630g
METAL CASE:W160×H100×T28mm	
Sockets	Accessories
2410M Surface Drive Sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	**2753J** **2763-50** **2760-150** **2770** **2785**

ENH2003

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

ENH2003	26 Pieces Set/=980g
METAL CASE:W310×H86×T40mm	
Sockets	Accessories
2400M 6-pt. Sockets 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14 **108P** PH Bits 1, 2 **108S** Slotted Bits 4, 6, 8 **108H** Hex Bits 3, 4, 5, 6	**2753J** **2760-50** **2760-150** **2769N-150** **2770** **2785** **2137**

2251M / 2251A

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

2251M	17 Pieces Set/=725g
METAL CASE:W192×H122×T30mm	
Sockets	Accessories
2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11,13	**2753J** **2760-50** **2760-150** **2768J** **2770** **2785**

2251A	15 Pieces Set/=700g
METAL CASE:W192×H122×T30mm	
Sockets	Accessories
2400A 6-pt. Sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	**2753J** **2760-50** **2760-150** **2768J** **2770** **2785**

2258M

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

2258M	31 Pieces Set/=965g
METAL CASE:W240×H100×T32mm	
Sockets	Accessories
2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13 **2000.28** Bit Sockets 1, 2, 3 **2005.25** Bit Sockets 4, 6 **2010M.25** Bit Sockets 3, 4, 5, 6, 8 **2025.28** Bit Sockets T10, T15, T20, T25, T30	**2753J** **2760-100** **2769N-150** **2770** **2785**

1/4”

2259M

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

2259M	31 Pieces Set/=991g
METAL CASE:W240×H100×T32mm	
Sockets	**Accessories**
2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 13	**2774JS**
2000.28 Bit Sockets 1, 2, 3	**2760-100**
2005.25 Bit Sockets 4, 6	**2769N-150**
2010M.25 Bit Sockets 3, 4, 5, 6, 8	**2770**
2025.28 Bit Sockets T10, T15, T20, T25, T30	**2785**

2263A

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

2263A	29 Pieces Set/=940g
METAL CASE:W240×H100×T32mm	
Sockets	**Accessories**
2400A 6-pt. Sockets 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	**2753N**
2000.28 Bit Sockets 1, 2, 3	**2760-100**
2010A.25 Bit Sockets 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16	**2769N-150**
2025.28 Bit Sockets T10, T15, T20, T25, T30	**2770**
	2785

2275

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

2275	19 Pieces Set/=880g
METAL CASE:W192×H122×T30mm	
Sockets	**Accessories**
2400M 6-pt. Sockets 5.5, 6, 7, 8, 10, 12, 13	**2753J**
2000.28 Bit Sockets 1, 2, 3	**2763-50**
2005.25 Bit Sockets 6, 8	**2769N-150**
2010M.25 Bit Sockets 3, 4, 5, 6	

2276

Socket Set with Bits and Accessories
Bit Satz mit Zubehör
Jeu d'embouts et avec accessoires

2276	19 Pieces Set/=640g
METAL CASE:W192×H122×T30mm	
Bits	**Accessories**
108P PH Bits 1, 2, 3	**2753PS**
108S Slotted Bits 4, 5, 6	**2769N-150**
108H Hex Bits 3, 4, 5, 6	**2137**
108T TORX® Bits T10, T15, T20, T25, T27, T30	

2277

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

2277	21 Pieces Set/=1,240g
METAL CASE:W310×H86×T50mm	
Sockets	**Accessories**
2400M 6-pt. Sockets 5.5, 6, 7, 8, 9, 10, 11, 12, 13	**2753J**
2300M 6-pt. Deep Sockets 5.5, 6, 7, 8, 9, 10, 11, 12, 13	**2763-75**
	2769N-150

P2201AM

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

P2201AM	25 Pieces Set/=800g

PLASTIC CASE:W245×H120×T45mm

Sockets	Accessories
2400M 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	**2753J**
2400A 6-pt. Sockets 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	**2760-100**
	2769N-150
	2770
	2785

P2251M

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

P2251M	18 Pieces Set/=770g

PLASTIC CASE:W245×H120×T45mm

Sockets	Accessories
2400M 6-pt. Sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	**2753J**
	2760-50
	2760-150
	2768J
	2770
	2785

P2258M

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

P2258M	31 Pieces Set/=860g

PLASTIC CASE:W245×H120×T45mm

Sockets	Accessories
2400M 6-pt. Sockets 4, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13	**2753J**
2000.28 Bit Sockets 1, 2, 3	**2760-100**
2005.25 Bit Sockets 4, 6	**2769N-150**
2010M.25 Bit Sockets 3, 4, 5, 6, 8	**2770**
2025.28 Bit Sockets T10, T15, T20, T25, T30	**2785**

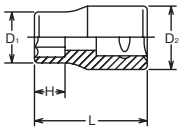
ABS Case - PE foam insert
Kunststoffkassette - Weichschaumeinlage
Coffret en ABS - Inserts en mousse

3/8”

3400M / 3400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

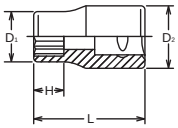
FLAT DRIVE®



3400M 3405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	8.3	17.3	5	26	20	10
5.5	8.9	17.3	5.5	26	20	10
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	7	26	22	10
9	13.3	17.3	7.5	26	23	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	8.5	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.5	26	24	10
14	19.5	18.5	11	27	31	10
15	20.8	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.3	21.5	12.5	29	51	10
18	24.5	22.5	13	30	51	10
19	25.8	23.5	13.5	30	63	10
20	27	24.5	14	31	75	10
21	28	26	14.5	32	77	10
22	29.5	26.5	15	32	82	10
23	30.8	27.5	15.5	33	95	10
24	32	28.5	16	34	102	10
25	33.3	29.5	16.5	34	115	5
26	34.5	30.5	17	35	129	5

3405M / 3405A

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



3400A 3405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/16	8.3	17.3	5	26	20	10
1/4	10.3	17.3	6	26	20	10
9/32	10.8	17.3	6.5	26	20	10
5/16	12	17.3	7	26	22	10
11/32	13.3	17.3	7.5	26	23	10
3/8	13.9	17.3	8	26	23	10
13/32	13.3	17.3	7.5	26	23	10
7/16	15.8	17.3	8.5	26	25	10
1/2	18	17	9.5	26	24	10
9/16	19.5	18.5	11	27	31	10
19/32	20.8	19.5	11.5	28	39	10
5/8	22	20	12	28	42	10
11/16	24.5	22.5	13	30	51	10
3/4	25.8	23.5	13.5	30	63	10
25/32	27	24.5	14	31	75	10
13/16	28	26	14.5	32	77	10
7/8	29.5	26.5	15	32	82	10
15/16	32	28.5	16	34	102	10
1	34.5	30.5	17	35	132	5

FLAT DRIVE®

Flat drive is designed to guarantee a flat surface contact between the socket and the bolt/nut. The Flat contact reduces wear and allows to transmit a higher torque value. The Flat Drive System is also used for the square drive end as well as the hexagonal or bi-hexagonal openings of the socket

Das Flat Drive Design sorgt für die optimale Kraftübertragung zwischen den Flächen des Steckschlüssels und der Schraube. Dies erlaubt eine Übertragung von höheren Drehmomenten. Das Flat Drive System findet ebenfalls bei allen Antriebsvierkanten sowie bei 6-kant und 12-kant Profilen Verwendung.

Le profil Flat Drive garantit un contact optimal entre la douille et l'écrou. Ce contact «à plat» réduit l'usure et permet la transmission d'un couple plus élevé. Ce système Flat Drive est utilisé pour tous les carrés conducteurs ainsi que pour toutes nos douilles 6-pans et 12-pans.

RS3400M/12
RS3405M/12

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3400M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		465

RS3405M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		465

RS3400A/9
RS3405A/9

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3400A/9	9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		333

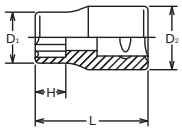
RS3405A/9	9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4		333

SURFACE DRIVE

3410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

3410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	8.9	17.3	5.5	26	20	10
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	7	26	22	10
9	13.3	17.3	7.5	26	23	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	8.5	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.5	26	24	10
14	19.5	18.5	11	27	31	10
15	20.8	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.3	21.5	12.5	29	51	10
18	24.5	22.5	13	30	51	10
19	25.8	23.5	13.5	30	63	10
20	27	24.5	14	31	75	10
21	28	26	14.5	32	77	10
22	29.5	26.5	15	32	82	10
23	30.8	27.5	15.5	33	95	10
24	32	28.5	16	34	102	10



SURFACE DRIVE

Surface drive sockets are designed to retain contact with the flat sides of the nut in order to transmit high torque and reduce nut wear.
These sockets are ideal for using on polished nuts, aluminum nuts and nuts with worn out points.

Das Profil unserer Surface-Drive Steckschlüssel greift die Schraube an deren Flächen. Dies sichert eine höhere Kraftübertragung und verhindert ein Durchrutschen des Steckschlüssels. Diese Steckschlüssel eignen sich besonders für polierte Schrauben, Aluminium Schrauben und Schrauben bei denen die Ecken bereits abgerundet sind.

Notre profil Surface Drive assure le contact entre la douille et les plats de l'écrou. Ceci réduit l'usure et permet la transmission d'un couple plus élevé. C'est une solution idéale pour les écrous polies, celles en aluminium ou arrondies.

RS3410M/12

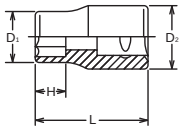
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3410M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		468

3400W

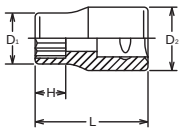
6-point Whitworth Sockets
6-kant Steckschlüssel, Whitworth
Douilles à 6-pans Whitworth

3400W 3405W (W)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	13.3	17.3	7.5	26	22	10
3/16	15.8	17.3	8.5	26	25	10
1/4	18	17	9.5	26	24	10
5/16	20.8	19.5	11.5	28	39	10
3/8	24.5	22.5	13	30	51	10
7/16	28	26	14.5	32	81	10
1/2	30.8	27.5	15.5	33	103	10
9/16	34.5	30.5	17	35	128	5



3405W

12-point Whitworth Sockets
12-kant Steckschlüssel, Whitworth
Douilles à 12-pans Whitworth



RS3400W/7
RS3405W/7

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3400W/7	7 Pieces Set/Rail 200mm	(g)
1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2		389

RS3405W/7	7 Pieces Set/Rail 200mm	(g)
1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2		389

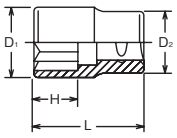
BS W

BS・W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
	W	1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
S	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

3/8”

3415M / 3415A

Double 4-point Sockets
Doppelvierkant Steckschlüssel
Douilles 4-pans, doubles

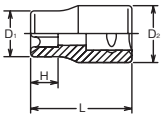


3415M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	10.8	17.4	5.5	26	21	10
6	12	17.3	6	26	26	10
7	13.3	17.4	6.5	26	26	10
8	14.5	17.3	7	26	26	10
10	16.8	17.3	8	26	27	10
12	20.8	19.5	9	27	43	10
13	21.9	20	9.5	27	46	10

3415A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	12	17.3	6	26	24	10
5/16	14.5	17.3	7	26	26	10
11/32	15.8	17.3	7.5	26	27	10
3/8	16.8	17.3	8	26	27	10
7/16	19.5	18.5	8.5	27	37	10
1/2	22	20	9.5	27	46	10

3425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



3425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	5.6	17.3	4.6	26	18	10
E 5	7	17.3	5.2	26	20	10
E 6	8.3	17.3	5.4	26	21	10
E 7	8.9	17.3	6.6	26	22	10
E 8	9.9	17.3	7	26	23	10
E10	12	17.3	8.2	26	24	10
E11	13.3	17.3	8.7	26	25	10
E12	14.5	17.3	9.3	26	26	10
E14	15.8	17.3	10.6	26	27	10
E16	18	17	11.8	26	27	10

RS3425/9

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

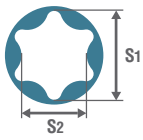
RS3425/9	9 Pieces Set/Rail 200mm	(g)
	E4, E5, E6, E7, E8, E10, E12, E14, E16	239

RSX425/14

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RSX425/14		14 Pieces Set/Rail 300mm	(g)
2425	1/4"	**E4, E5, E6, E7, E8**	550
3425	3/8"	**E10, E11, E12, E14**	
4425	1/2"	**E16, E18, E20, E22, E24**	

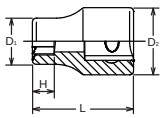
TORX® (E)



E	E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1 (ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2 (ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

3400LH

LHSTIX® Sockets
Steckschlüssel mit LHSTIX® Profil
Douilles au profil LHSTIX®



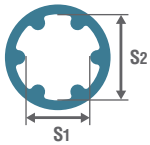
3400LH (LH-S)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
5S	10.8	17.3	5	26	20	10
6S	12	17.3	5.6	26	22	10
8S	15.8	17.3	6.8	26	25	10
10S	18	17	8	26	25	10
12S	22	20	9.2	28	42	10
14S	24.5	22.5	10.4	30	51	10
16S	28	26	11.6	32	77	10

RS3400LH/7

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3400LH/7	7 Pieces Set/Rail 150mm	(g)
	5S, 6S, 8S, 10S, 12S, 14S, 16S	315

LHSTIX®



LH-S		LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
S1	(ref. mm)	5.6	6.8	9.0	11.3	13.6	15.8	18.1
S2	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0

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3450M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	5	26	21	10
10	14.5	17.3	6	26	24	10
11	15.8	17.3	6.5	26	26	10
12	16.8	17.3	7	26	26	10
13	18	17	8	26	28	10
14	19.5	18.5	8.5	27	34	10
15	20.8	19.5	9	27	42	10
16	22	20	9	27	50	10
17	23.3	21.5	9.5	28	62	10
18	24.5	22.5	10.5	29	64	10
19	25.8	23.3	11.5	29	66	10
21	28	26	12	29	85	10
22	29.5	27	12.5	29	90	10
24	32	30	14.5	31	102	10

	3450A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
New	**1/4**	10.3	17.4	3.5	26	19	10
New	**5/16**	12	17.4	5	26	21	10
New	**3/8**	13.9	17.4	6	26	24	10
New	**7/16**	15.8	17.4	6.5	26	26	10
New	**1/2**	18	17	8	26	28	10
New	**9/16**	19.5	18.5	8.5	27	34	10
New	**5/8**	22	20	9	27	50	10
New	**11/16**	24.6	22.5	10.5	29	64	10
New	**3/4**	26	23.5	11.5	29	66	10

RS3450M/8	8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19		310

RS3450M/10	10 Pieces Set/Rail 250mm	(g)
New	**10, 11, 12, 13, 14, 15, 17, 19, 21, 22**	500

RS3450A/9	9 Pieces Set/Rail 200mm	(g)
New	**1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4**	360

3450MH (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	12	5	17	26	30	10
10	14.5	6	17	26	30	10
12	16.8	7	17	26	29	10
13	18	8	17	26	28	10
14	19.5	8.5	17	27	32	10
17	23.3	9.5	17	29	41	10

RS3450MH/6	6 Pieces Set/Rail 150mm	(g)
8, 10, 12, 13, 14, 17		230

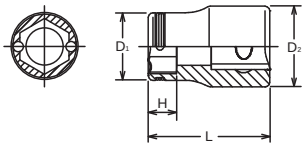
3425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E10(2B)	12	17.3	8.2	26	23	10
E12(2B)	14.5	17.3	9.3	26	25	10
E14(2B)	15.8	17.3	10.6	26	26	10
E16(2B)	18.1	17	11.8	26	27	10
E18(2B)	19.5	18.5	12	32	41	10
E20(2B)	21.9	20	14.4	32	52	10

RS3425/4(2B)	4 Pieces Set/Rail 150mm	(g)
E10, E12, E14, E20		150

NUT GRIP®

3450M / 3450A

Nut Grip Sockets **Nut Grip®**
Steckschlüssel mit 2-facher Kugelhalterung
Douilles à billes de retenue



NUT GRIP®

Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.

Die zwei Kugeln in der 6-kant Öffnung unserer NUT GRIP Steckschlüssel halten die Schraube sicher im Steckschlüssel. Dies erlaubt ein Arbeiten auch an schwer zugänglichen Stellen.

Les 2 billes dans l'ouverture du 6-pans de la douille retiennent l'écrou de manière sûre et efficace.

RS3450M/8
RS3450M/10

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

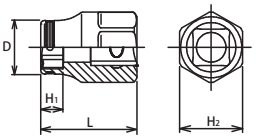
RS3450A/9

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

NUT GRIP®

3450MH

Nut Grip Socket wrench with additional hexagon drive
Nut Grip Steckschlüssel mit zusätzlichem Aussensechskant
Douilles à deux billes de retenue avec tête hexagonale supplémentaire

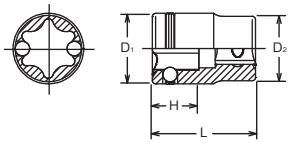


RS3450MH/6

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

3425 (2B)

TORX® Sockets **Nut Grip®**
TORX Steckschlüssel mit 2-facher Kugelhalterung
Douilles Torx à deux billes de retenue



RS3425/4 (2B)

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

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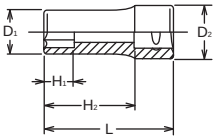
3/8”

3300X / 3300XA

6-point Sockets, Semi-Deep
6-kant Steckschlüssel, mittel-lang
Douilles, semi-profondes 6-pans

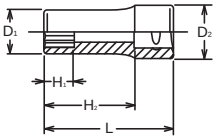


FLAT DRIVE®

3300X 3305X (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	9	26.5	40	34	10
9	13	17.3	10	26.5	40	36	10
10	14.5	17.3	11	26.5	40	36	10
11	16	17.2	12	26.5	40	36	10
12	16.8	17.2	13	26.5	40	36	10
13	18	17	14	26.5	40	37	10
14	20	18	16	26.5	40	46	10
15	21	20	16	25.5	40	49	10
16	22	20	17	25.5	40	51	10
17	23.5	22	18	25.5	40	61	10
18	24.5	23	19	24.5	40	68	10
19	25	24	20	24.5	40	75	10

3305X / 3305XA

12-point Sockets, Semi-Deep
12-kant Steckschlüssel, mittel-lang
Douilles, semi-profondes 12-pans



3300XA 3305XA (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
1/4	10.3	17.3	7	26.5	40	32	10
5/16	12	17.3	9	26.5	40	34	10
3/8	13.9	17.3	11	26.5	40	36	10
7/16	16	17.2	12	26.5	40	36	10
1/2	18	17	14	26.5	40	37	10
9/16	20	18.5	16	26.5	40	46	10
5/8	22	20	17	25.5	40	51	10
11/16	24.5	22.5	19	24.5	40	68	10
3/4	25	23.5	20	24.5	40	75	10

RS3300X/8
RS3305X/8

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3300X/8	8 Pieces Set/Rail 200mm	(g)
	8, 10, 11, 12, 13, 14, 17, 19	405

RS3305X/8	8 Pieces Set/Rail 200mm	(g)
	8, 10, 11, 12, 13, 14, 17, 19	405

RS3300XA/9
RS3305XA/9

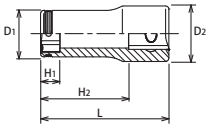
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3300XA/9	9 Pieces Set/Rail 200mm	(g)
	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	460

RS3305XA/9	9 Pieces Set/Rail 200mm	(g)
	1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	460

3350X

Nut Grip Socket, Semi-Deep **Nut Grip®**
Steckschlüssel mit 2-facher Kugelhalterung, mittel-lang
Douilles à billes de retenue, semi-profondes



NUT GRIP®

3350X (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	5	26.5	40	33	10
10	14.5	17.4	6	26.5	40	35	10
12	16.8	17.2	7	26.5	40	40	10
New **13**	18	17	8	26.5	40	45	10
14	19.5	18.5	8.5	26.5	40	48	10

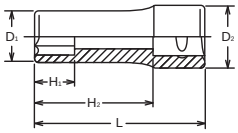
RS3350X/4

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3350X/4	4 Pieces Set/Rail 150mm	(g)
	8, 10, 12, 14	165

3300M / 3300A

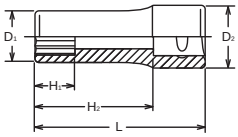
6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans



3300M 3305M (mm)	D₁ (mm)	D₂ (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)	(pcs.)
5.5	8.9	17.3	6.5	41.5	55	37	10
6	9.9	17.3	7	41.5	55	37	10
7	10.6	17.3	8	41.5	55	37	10
8	12	17.3	9	41.5	55	40	10
9	13	17.3	10	41.5	55	42	10
10	14.5	17.3	11	41.5	55	46	10
11	16	17.2	12	41.5	55	51	10
12	16.8	17.2	13	41.5	55	52	10
13	18	17	14	41.5	55	53	10
14	20	18	16	41.5	55	60	10
15	21	20	16	40.5	55	74	10
16	22	20	17	40.5	55	76	10
17	23.5	22	18	40.5	55	93	10
18	24.5	23	19	39.5	55	98	10
19	25	24	20	39.5	55	98	10
20	26	25	21	49.5	65	126	10
21	27	26	22	49.5	65	126	10
22	29	28	23	48.5	65	163	10
23	30	29	24	48.5	65	168	10
24	31	30	25	47.5	65	191	10
25	33	30	26	47.5	65	199	10
26	34	31	27	47.5	65	209	10
27	35	32.5	28	47.5	65	218	10

3305M / 3305A

12-point Deep Sockets
12-kant Steckschlüssel,lang
Douilles longues, 12-pans



3300A 3305A (inch)	D₁ (mm)	D₂ (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)	(pcs.)
New **3/16**	8.3	17.3	6	41.5	55	35	10
7/32	8.9	17.3	6.5	41.5	55	35	10
1/4	9.9	17.3	7	41.5	55	37	10
5/16	12	17.3	9	41.5	55	40	10
11/32	12.3	17.3	10	41.5	55	41	10
3/8	14	17.3	11	41.5	55	46	10
7/16	16	17.2	12	41.5	55	51	10
1/2	18	17	14	41.5	55	53	10
9/16	20	18	16	41.5	55	60	10
19/32	21	20	16	40.5	55	74	10
5/8	22	20	17	40.5	55	76	10
11/16	23.5	22	18	40.5	55	93	10
3/4	25	24	20	39.5	55	98	10
13/16	27	26	22	49.5	65	126	10
7/8	29	28	23	48.5	65	163	10
15/16	31	30	25	47.5	65	191	10

RS3300M/12
RS3305M/12

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3300M/12 — 12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	878

RS3305M/12 — 12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	878

RS3300A/9
RS3305A/9

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3300A/9 — 9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	628

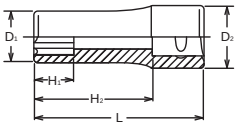
RS3305A/9 — 9 Pieces Set/Rail 200mm	(g)
1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	628

3/8”

3310M

Surface Drive Deep Sockets
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive

SURFACE DRIVE



3310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
6	9.9	17.3	7	41.5	55	37	10
7	10.6	17.3	8	41.5	55	37	10
8	12	17.3	9	41.5	55	40	10
9	13	17.3	10	41.5	55	42	10
10	14.5	17.3	11	41.5	55	46	10
11	16	17.2	12	41.5	55	51	10
12	16.8	17.2	13	41.5	55	52	10
13	18	17	14	41.5	55	53	10
14	20	18	16	41.5	55	60	10
15	21	20	16	40.5	55	74	10
16	22	20	17	40.5	55	76	10
17	23.5	22	18	40.5	55	93	10
18	24.5	23	19	39.5	55	98	10
19	25	24	20	39.5	55	98	10
20	26	25	21	49.5	65	126	10
21	27	26	22	49.5	65	126	10
22	29	28	23	48.5	65	163	10
23	30	29	24	48.5	65	168	10
24	31	30	25	47.5	65	161	10

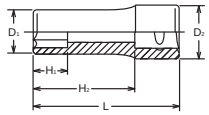
RS3310M/12

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3310M/12	12 Pieces Set/Rail 300mm	(g)
8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		881

3300W

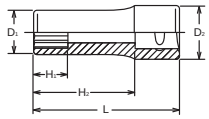
6-point Deep Whitworth Sockets
6-kant Steckschlüssel, lang, Whitworth
Douilles longues à 6-pans Whitworth



3300W 3305W (W)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
1/8	12.3	17.3	10	41.5	55	46	10
3/16	16	17.3	12	41.5	55	55	10
1/4	18	17	14	41.5	55	57	10
5/16	21	20	16	40.5	55	79	10
3/8	24.5	23	19	39.5	55	96	10
7/16	27	26	22	49.5	65	140	10
1/2	30	29	24	48.5	65	193	10
9/16	34	31	27	47.5	65	250	10

3305W

12-point Deep Whitworth Sockets
12-kant Steckschlüssel, Whitworth
Douilles longues à 12-pans Whitworth



RS3300W/7
RS3305W/7

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3300W/7	7 Pieces Set/Rail 200mm	(g)
1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2		719

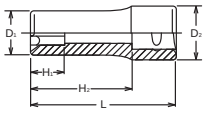
RS3305W/7	7 Pieces Set/Rail 200mm	(g)
1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2		719

BS W

BS・W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
	W	1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
S	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

3325

TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®



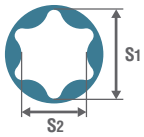
3325 (E)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
E 4	5.6	17.3	4.6	41.5	55	29	10
E 5	6.9	17.3	5.2	41.5	55	31	10
E 6	7.9	17.3	5.4	41.5	55	33	10
E 7	8.9	17.3	6.6	41.5	55	36	10
E 8	9.9	17.3	7	41.5	55	39	10
E10	11.8	17.3	8.2	41.5	55	43	10
New **E11**	13	17.3	8.7	41.5	55	50	10
E12	14.5	17.2	9.3	41.5	55	53	10
E14	15.7	17.2	10.6	41.5	55	57	10
E16	18	17	11.8	41.5	55	69	10

RS3325/9

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3325/9	9 Pieces Set/Rail 200mm	(g)
	E4, E5, E6, E7, E8, E10, E12, E14, E16	420

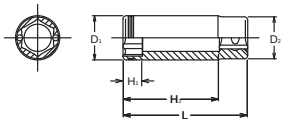
TORX® (E)



E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

3350M

Nut Grip Deep Sockets **Nut Grip®**
Steckschlüssel mit 2-facher Kugelhalterung, lang
Douilles longues à billes de retenue



3350M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	5	41.5	55	50	10
10	14.5	17.4	6	41.5	55	54	10
12	16.8	17.2	7	41.5	55	58	10
13	18	17	8	41.5	55	59	10
14	19.5	18.5	8.5	41.5	55	71	10

NUT GRIP®

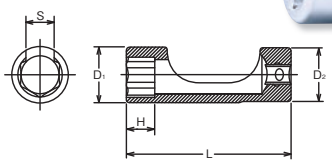
RS3350M/5

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3350M/5	5 Pieces set/Rail 150mm	(g)
	8, 10, 12, 13, 14	322

3300FN

Flare Nut Sockets
Geschlitzte Steckschlüssel für Überwurfmuttern
Douilles à tuyauter



3300FN (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	S (mm)	(g)	(pcs.)
8	14.5	17.3	6	53	6.4	38	10
9	16	17.3	7	53	6.8	41	10
10	16.8	17.2	7.5	53	7.2	42	10
11	18	17	8.5	53	8.3	42	10
12	20	18	9	53	8.8	50	10
13	21.1	20	9.5	62	9.4	66	10
14	22	20	10.5	62	10.5	66	10
15	23	22	11	70	11.5	82	10
16	24	23	11.5	70	12	90	10
17	25	24	12.5	80	13	110	10
18	27	25	13	80	13.5	120	10
19	28	26	14	80	14.5	130	10
New **21**	30	27.5	15	80	15.5	170	10
22	32	29.5	16	80	16	180	10
24	34.5	31.5	17	80	17	200	10

RS3300FN/8

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

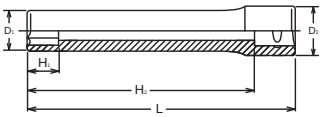
RS3300FN/8	8 Pieces Set/Rail 200mm	(g)
	9, 10, 11, 13, 14, 16, 17, 19	600

TORX® is a registered trademark of **CAMCAR Innovations.**
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

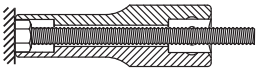
3/8”

3300M (L120)

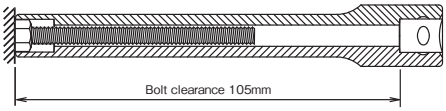
6-point Extra Deep Sockets
6-kant Steckschlüssel,extra lang
Douilles extra longues 6-pans



3300M-Size DEEP SOCKET



3300M-Size(L120) EXTRA DEEP SOCKET



3300M(L120) 3305M(L120) (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	9	106.5	120	85	10
10	14.5	17.3	11	106.5	120	110	10
12	16.8	17.2	13	106.5	120	116	10
13	18	17	14	106.5	120	155	5
14	20	18	16	106.5	120	166	5

3305M (L120)

12-point Extra Deep Sockets
12-kant Steckschlüssel,extra lang
Douilles extra longues 12-pans

3300M/4-L120
3305M/4-L120

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

3300M/4-L120 — 4 Pieces Set/=477g
PLASTIC BAG

Sockets

3300M(L120) 6-point Extra Deep Sockets
8, 10, 12, 14

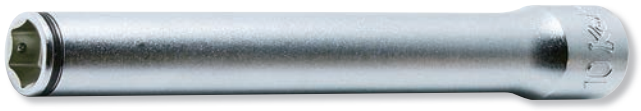
3305M/4-L120 — 4 Pieces Set/=477g
PLASTIC BAG

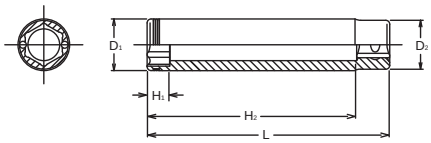
Sockets

3305M(L120) 12-point Extra Deep Sockets
8, 10, 12, 14

3350M (L120) / 3350A (L120)

Nut Grip Deep Sockets **Nut Grip**®
Steckschlüssel mit 2-facher Kugelhalterung, lang
Douilles extra longues à billes de retenue





	3350M(L120) (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
New	**8**	12	17.3	5	106.5	120	77	10
	10	14.5	17.2	6	106.5	120	110	10
	12	16.8	17.2	7	106.5	120	116	10

	3350A(L120) (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
New	**7/16**	15.8	17.3	6.5	106.5	120	123	10
New	**1/2**	18	17	8	106.5	120	142	10
New	**9/16**	20	18.5	8.5	106.5	120	179	10

NUT GRIP®

3350M/2-L120

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

3350M/2-L120 — 2 Pieces Set/=230g
PLASTIC BAG

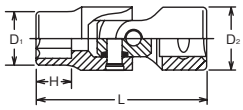
Sockets

3350M(L120) Nut Grip Extra Deep Sockets
10, 12

3440M / 3440A

6-point Universal Sockets
6-kant Gelenk-Einsätze
Douilles articulées, 6-pans

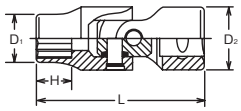
3440M 3445M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	19	7.3	47	50	10
9	13.3	19	7.8	47.5	50	10
10	14.5	19	8.8	48.5	64	10
11	15.8	19	9.8	49.5	66	10
12	17	19	10.3	50	67	10
13	18.3	19	11.3	51	68	10
14	19.5	19	11.3	51	69	10
15	20.8	19	12.8	53.5	70	10
16	22	19	12.8	53.5	77	10
17	23.3	19	13.8	54.5	80	10
18	24.5	19	13.8	54.5	80	10
19	25.8	19	15.8	56.5	84	10
21	28.3	19	16.8	56.5	96	10



3445M / 3445A

12-point Universal Sockets
12-kant Gelenk-Einsätze
Douilles articulées, 12-pans

3440A 3445A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/16	12	19	7.3	47	50	10
3/8	14	19	8.3	48	64	10
7/16	15.8	19	9.8	49.5	66	10
1/2	18.3	19	11.3	51	68	10
9/16	19.5	19	11.3	51	69	10
5/8	22	19	12.8	53.5	77	10
11/16	24.5	19	13.8	54.5	80	10
3/4	25.8	19	15.8	56.5	84	10



RS3440M/8
RS3440A/8

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

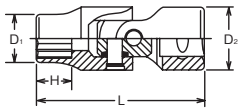
RS3440M/8 — 8 Pieces Set/Rail 200mm	(g)
8, 10, 11, 12, 13, 14, 17, 19	550

RS3440A/8 — 8 Pieces Set/Rail 200mm	(g)
5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4	570

3445W

12-Point Whitworth Universal Socket
12-kant Gelenk-Einsatz, Whitworth
Douille articulées, 12-pans, Whitworth

3445W (W)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	13.3	19	7.8	47.5	50	10
3/16	15.8	19	9.7	49.5	66	10
1/4	18.3	19	11.3	51	68	10
5/16	20.8	19	12.8	53.5	70	10
3/8	24.5	19	13.8	54.5	80	10
7/16	28.3	19	16.8	57.5	96	10
1/2	30.8	19	17.8	58.5	105	10



RS3445W/7

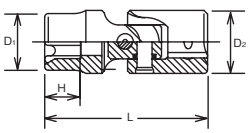
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3445W/7 — 7 Pieces Set/Rail 200mm	(g)
1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2	570

3440T

TORX® Universal Sockets
TORX® Gelenk-Einsätze
Douilles articulées TORX®

3440T (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 6	7.9	19	5.4	44.9	60	10
E 8	9.9	19	7	46.5	63	10
E10	11.8	19	8.2	47.7	63	10
E12	14.5	19	9.3	48.8	68	10
E14	15.7	19	10.6	50.1	68	10
E16	18	19	11.8	51.3	70	10
E18	19.5	19	13	53.5	78	10
E20	22	19	14.4	54.9	81	10



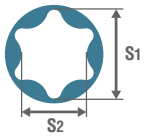
3/8”

RS3440T/8

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3440T/8	8 Pieces Set/Rail 200mm	(g)
	E6, E8, E10, E12, E14, E16, E18, E20	594

TORX® (E)

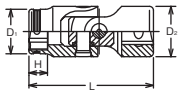


E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S_1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S_2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

3441M

Nut Grip Universal Sockets **Nut Grip®**
Gelenk-Einsätze mit zweifacher Kugelhalterung
Douilles articulées, à billes de retenue

NUT GRIP®



	3441M (mm)	D_1 (mm)	D_2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
	8	12	19	5	46	57	10
	10	14.5	19	6	46	58	10
New	**11**	15.8	19	6.5	46.5	61	10
	12	16.8	19	7	47	58	10
	13	18	19	8	48	60	10
	14	19.5	19	8.5	49.5	65	10
New	**15**	21	19	9	50	69	10
New	**16**	22	19	9	50	70	10
New	**17**	23.5	19	9.5	51	73	10
New	**18**	24.6	19	10.5	51.5	76	10
New	**19**	26	19	11.5	52.5	80	10

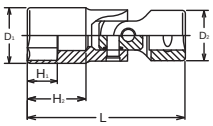
RS3441M/11

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3441M/11	11 Pieces Set/Rail 300mm	(g)
New	**8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19**	750

3340M-75

Universal Deep Sockets
Gelenk-Steckschlüssel, lange Ausführung
Douilles articulées longues



3340M-75 (mm)	D_1 (mm)	D_2 (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pcs.)
8	12	19	9	39	75	82	10
10	14.5	19	11	39	75	87	10
11	15.8	19	12	39	75	87	10
12	17	19	13	39	75	92	10
13	18.3	19	14	36	75	93	10
14	19.5	19	15	35	75	103	10
15	20.8	19	16	35	75	104	10
16	22	19	17	34	75	110	10
17	23.3	19	18	34	75	115	10
18	24.5	19	19	34	75	119	10
19	25.8	19	20	33	75	123	10

RS3340M/8-L75

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3340M/8-L75	8 Pieces Set/Rail 200mm	(g)
	8, 10, 11, 12, 13, 14, 17, 19	810

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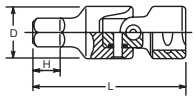
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

3430M

Universal Hex Sockets
Gelenk-Einsätze für Schrauben mit Innensechskant
Douilles articulées, 6-pans mâle



3430M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	19	15.5	62	66	10
6	19	15.5	62	70	10
7	19	15.5	62	72	10
8	19	15.5	62	74	10
10	19	15.5	62	78	10
12	19	15.5	62	85	10

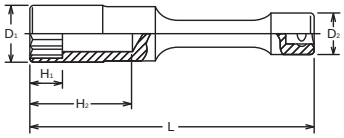
RS3430M/6

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3430M/6	6 Pieces Set/Rail 150mm	(g)
5, 6, 7, 8, 10, 12		470

3117M-125 / -250

Extended Sockets
Schaftsteckschlüssel
Douilles rallongées



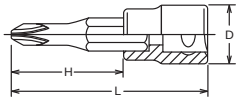
3117M-125 (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pce.)
10	14.5	18	10	44	125	121	1
11	16	18	11	44	125	133	1
12	17	18	12	44	125	133	1
13	18	18	13	44	125	134	1
14	19.5	18	14	44	125	145	1
17	23.5	18	17	44	125	178	1
19	25	18	19	44	125	187	1
21	27	18	21	44	125	195	1
22	29	18	22	44	125	214	1

3117M-250 (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pce.)
10	14.5	18	10	44	250	233	1
11	16	18	11	44	250	241	1
12	17	18	12	44	250	246	1
13	18	18	13	44	250	249	1
14	19.5	18	14	44	250	262	1
17	23.5	18	17	44	250	289	1
19	25	18	19	44	250	298	1
21	27	18	21	44	250	302	1
22	29	18	22	44	250	325	1

3/8”

3000-60 (PH)

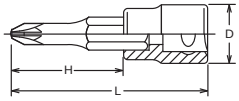
PH Bit Sockets
Steckschlüssel für Kreuzschlitzschrauben, PH
Douilles tournevis pour vis à empreinte PH



3000 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1	18	33.5	60	49	10
2	18	33.5	60	49	10
3	18	33.5	60	49	10
4	18	33.5	60	50	10

3000-50 (PZ)

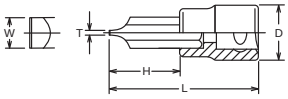
PZ Bit Sockets
Steckschlüssel für Kreuzschlitzschrauben,PZ
Douilles tournevis pour vis à empreinte PZ



3000-50 (PZ)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
PZ1	18	23.5	50	50	10
PZ2	18	23.5	50	50	10
PZ3	18	23.5	50	50	10

3005-60

Bit Sockets for Slotted Heads
Steckschlüssel für Schlitzschrauben
Douilles tournevis pour vis à fente

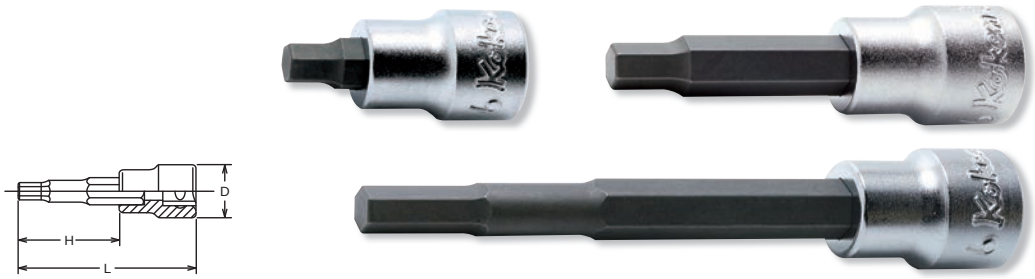


3005	T×W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	1.0× 5.5	18	33.5	60	47	10
8	1.2× 8	18	33.5	60	49	10
10	1.6×10	20	33.5	60	85	10

	PH	PZ	Slotted	HEX	HEX (ball point)	Triple Square (XZN)	TORX® (T)	TORX® (TH)	TORXPLUS® (IP)	TORXPLUS® (IPR)	Ribe-CV
1/4"	No.**2000** series	No.**2000(PZ)** series	No.**2005** series	No.**2010M/A** series	No.**2011M** series	No.**2020** series	No.**2025** series	No.**2025(TH)** series	No.**2025(IP)** series	No.**2025(IPR)** series	—
3/8"	No.**3000** series	No.**3000(PZ)** series	No.**3005** series	No.**3010M/A** No.**3012M/A** No.**3015M** series	No.**3011M** series	No.**3020** series	No.**3025** series	No.**3025(TH)** series	No.**3025(IP)** series	No.**3025(IPR)** series	No.**3027** series
1/2"	No.**4000** series	No.**4000(PZ)** series	No.**4005** series	No.**4010M/A** No.**4012M/A** series	—	No.**4020** series	No.**4025** series	—	No.**4025(IP)** series	—	No.**4027** series

3010M-38 / -62 / -100 / -160
3010A-50

Inhex Bit Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux



3010M-38 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	11.5	38	27	10
4	18	11.5	38	28	10
5	18	11.5	38	30	10
6	18	11.5	38	31	10
7	18	11.5	38	32	10
8	18	11.5	38	33	10
9	20	11.5	38	47	10
10	20	11.5	38	48	10
11	20	11.5	38	59	10
12	20	11.5	38	60	10
13	22	11.5	38	76	5
14	22	11.5	38	78	5

3010M-62 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	35.5	62	43	10
4	18	35.5	62	45	10
5	18	35.5	62	48	10
6	18	35.5	62	49	10
7	18	35.5	62	50	10
8	18	35.5	62	62	10
9	20	35.5	62	75	10
10	20	35.5	62	76	10
11	20	35.5	62	92	10
12	20	35.5	62	94	10
13	22	35.5	62	107	5
14	22	35.5	62	109	5

3010M-100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	73.5	100	58	10
4	18	73.5	100	60	10
5	18	73.5	100	63	10
6	18	73.5	100	64	10
7	18	73.5	100	66	10
8	18	73.5	100	69	10
9	20	73.5	100	100	10
10	20	73.5	100	102	10
11	20	73.5	100	129	10
12	20	73.5	100	131	10
13	22	73.5	100	158	5
14	22	73.5	100	160	5

3010M-160 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	133.5	160	84	10
4	18	133.5	160	86	10
5	18	133.5	160	89	10
6	18	133.5	160	90	10
7	18	133.5	160	92	10
8	18	133.5	160	95	10
9	20	133.5	160	125	10
10	20	133.5	160	128	10
11	20	133.5	160	153	10
12	20	133.5	160	157	10
13	22	133.5	160	237	5
14	22	133.5	160	239	5

3010A-50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/8	18	23.5	50	35	10
5/32	18	23.5	50	36	10
3/16	18	23.5	50	36	10
7/32	18	23.5	50	38	10
1/4	18	23.5	50	40	10
9/32	18	23.5	50	42	10
5/16	18	23.5	50	44	10
11/32	20	23.5	50	59	10
3/8	20	23.5	50	60	10
7/16	20	23.5	50	74	10
1/2	22	23.5	50	91	5

RS3010M/8-L38	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		322

RS3010M/8-L62	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		490

RS3010M/8-L100	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		645

RS3010A/8-L50	8 Pieces Set/Rail 200mm	(g)
1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2		400

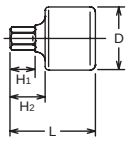
RS3010M/8-L38
RS3010M/8-L62
RS3010M/8-L100
RS3010A/8-L50

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

3/8”

3012M-25

Inhex Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux

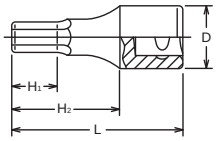


3012M-25 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
3	18.5	5.5	10	25	22	10
4	18.5	5.5	10	25	22	10
5	18.5	6.5	10	25	22	10
6	18.5	7.5	10	25	23	10
7	18.5	10	–	25	24	10
8	18.5	10	–	25	25	10
10	18.5	10	–	25	27	10
12	18.5	10	–	25	30	10
14	19	10	–	25	30	10
17	19	10	–	25	30	10

3012M-52 / -62 / -75
3012A-52 / -62 / -75

Inhex Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux

For Lubrication Service
Schmierdienst-Werkzeuge
Service lubrification-vidange



3012M/A are for hand use only.
Do not use with a power or impact wrench.
Bitte nicht auf Schlagschrauber oder anderen Maschinen gebrauchen.
À ne pas utiliser sur des machines

3012M-52 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
3	18	10	34	52	35	10
4	18	15.5	34	52	38	10
5	18	15.5	34	52	40	10
6	18	15.5	34	52	42	10
7	18	15.5	34	52	46	10
8	18.5	15.5	34	52	50	10
9	18.5	15.5	34	52	55	10
10	20	15.5	34	52	66	10
11	20	15.5	34	52	72	10
12	20	15.5	34	52	77	10
13	20	15.5	34	52	82	10
14	20	15.5	34	52	89	10

3012A-52 (inch)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
1/8	18	10	34	52	35	10
5/32	18	15.5	34	52	38	10
3/16	18	15.5	34	52	40	10
7/32	18	15.5	34	52	42	10
1/4	18	15.5	34	52	44	10
9/32	18	15.5	34	52	46	10
5/16	18.5	15.5	34	52	50	10
11/32	18.5	15.5	34	52	55	10
3/8	20	15.5	34	52	65	10
7/16	20	15.5	34	52	72	10
1/2	20	15.5	34	52	82	10
9/16	20	15.5	34	52	89	10

3012M-62 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
3	18	10	44	62	38	10
4	18	15.5	44	62	40	10
5	18	15.5	44	62	43	10
6	18	15.5	44	62	46	10
7	18	15.5	44	62	53	10
8	18.5	15.5	44	62	58	10
9	18.5	15.5	44	62	63	10
10	20	15.5	44	62	77	10
11	20	15.5	44	62	83	10
12	20	15.5	44	62	90	10
13	20	15.5	44	62	95	10
14	20	15.5	44	62	109	10

3012A-62 (inch)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
1/8	18	10	44	62	38	10
5/32	18	15.5	44	62	40	10
3/16	18	15.5	44	62	43	10
7/32	18	15.5	44	62	46	10
1/4	18	15.5	44	62	48	10
9/32	18	15.5	44	62	53	10
5/16	18.5	15.5	44	62	58	10
11/32	18.5	15.5	44	62	63	10
3/8	20	15.5	44	62	73	10
7/16	20	15.5	44	62	83	10
1/2	20	15.5	44	62	95	10
9/16	20	15.5	44	62	109	10

3012M-75 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
3	18	10	57	75	41	10
4	18	15.5	57	75	43	10
5	18	15.5	57	75	48	10
6	18	15.5	57	75	53	10
7	18	15.5	57	75	58	10
8	18.5	15.5	57	75	72	10
9	18.5	15.5	57	75	92	10
10	20	15.5	57	75	114	10
11	20	15.5	57	75	120	10
12	20	15.5	57	75	127	10
13	20	15.5	57	75	132	10
14	20	15.5	57	75	146	10

3012A-75 (inch)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
1/8	18	10	57	75	41	10
5/32	18	15.5	57	75	43	10
3/16	18	15.5	57	75	48	10
7/32	18	15.5	57	75	53	10
1/4	18	15.5	57	75	53	10
9/32	18	15.5	57	75	58	10
5/16	18.5	15.5	57	75	72	10
11/32	18.5	15.5	57	75	92	10
3/8	20	15.5	57	75	110	10
7/16	20	15.5	57	75	120	10
1/2	20	15.5	57	75	132	10
9/16	20	15.5	57	75	146	10

RS3012M/8-L52
RS3012A /8-L52

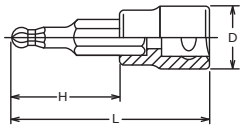
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3012M/8-L52	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		394

RS3012A/8-L52	8 Pieces Set/Rail 200mm	(g)
1/8, 5/32, 3/16, 7/32, 1/4, 5/16, 3/8, 1/2		425

3011M-62 / -100 / -120 / -160

Ballpoint Inhex Sockets
Steckschlüssel mit Kugelkopf, für Innensechskant-Schrauben
Douilles tournevis avec tête sphérique pour vis 6-pans creux



3011M-62 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	35.5	62	45	10
4	18	35.5	62	46	10
5	18	35.5	62	48	10
6	18	35.5	62	49	10
7	18	35.5	62	50	10
8	18	35.5	62	51	10
10	20	35.5	62	66	10
12	20	35.5	62	79	10

3011M-100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	73.5	100	61	10
4	18	73.5	100	62	10
5	18	73.5	100	64	10
6	18	73.5	100	65	10
7	18	73.5	100	67	10
8	18	73.5	100	68	10
10	20	73.5	100	91	10

3011M-120 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	93.5	120	77	10
4	18	93.5	120	78	10
5	18	93.5	120	80	10
6	18	93.5	120	81	10
7	18	93.5	120	83	10
8	18	93.5	120	84	10

3011M-160 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	133.5	160	87	10
4	18	133.5	160	88	10
5	18	133.5	160	89	10
6	18	133.5	160	91	10
7	18	133.5	160	93	10
8	18	133.5	160	95	10

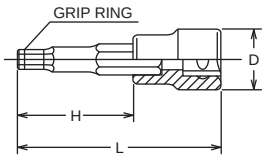
Ballpoint bit sockets have less strength due to the special design. Make sure to use them correctly.

Kugelkopf-Biteinsätze haben aufgrund der speziellen Form eine geringere Festigkeit. Achten Sie darauf, diese richtig zu Verwenden.

Les douilles à tête sphérique sont moins résistantes en raison de leur conception spéciale. Veuillez les utiliser correctement.

3015M-62 / -100

Inhex Bit Socket, **Grip Ring**
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux



Grip Ring holds hex screws

3015M-62 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	35.5	62	43	10
4	18	35.5	62	45	10
5	18	35.5	62	50	10
6	18	35.5	62	50	10
7	18	35.5	62	50	10
8	18	35.5	62	62	10
10	20	35.5	62	75	10
12	20	35.5	62	95	10

3015M-100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3	18	73.5	100	60	10
4	18	73.5	100	60	10
5	18	73.5	100	65	10
6	18	73.5	100	65	10
7	18	73.5	100	70	10
8	18	73.5	100	70	10
10	20	73.5	100	105	10
12	20	73.5	100	135	10

Grip Ring bit sockets have less strength due to the special design.
Make sure to use them correctly.

Grip Ring Bit-Einsätze haben aufgrund ihrer speziellen Konstruktion eine geringere Festigkeit. Achten Sie darauf, diese richtig zu verwenden.

Les douilles avec bague de préhension sont moins résistantes en raison de leur conception spéciale. Veuillez les utiliser correctement.

RS3015M/8-L62
RS3015M/8-L100

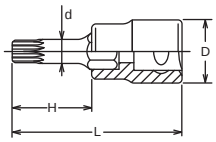
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3015M/8-L62	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		500

RS3015M/8-L100	8 Pieces Set/Rail 200mm	(g)
3, 4, 5, 6, 7, 8, 10, 12		650

3020-38 / -50 / -100 / -120

XZN Bit Sockets
Steckschlüssel für XZN Schrauben
Douilles tournevis pour empreinte XZN



3020-38 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	18	7.8	11.5	38	32	10
M 6	18	7.8	11.5	38	33	10
M 8	18	7.8	11.5	38	36	10
M10	20	11.9	11.5	38	51	10
M12	20	11.9	11.5	38	52	10
M14	22	13.9	11.5	38	74	10

3020-50 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 4	18	7.8	23.5	50	35	10
M 5	18	7.8	23.5	50	37	10
M 6	18	7.8	23.5	50	39	10
M 8	18	7.8	23.5	50	40	10
M10	20	11.9	23.5	50	65	10
M12	20	11.9	23.5	50	69	10
M14	22	13.9	23.5	50	75	10

3020-100 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 4	18	7.8	73.5	100	57	10
M 5	18	7.8	73.5	100	59	10
M 6	18	7.8	73.5	100	61	10
M 8	18	7.8	73.5	100	62	10
M10	20	11.9	73.5	100	99	10
M12	20	11.9	73.5	100	103	10
M14	22	13.9	73.5	100	145	5

3020-120 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 4	18	7.8	93.5	120	77	10
M 5	18	7.8	93.5	120	79	10
M 6	18	7.8	93.5	120	81	10
M 8	18	7.8	93.5	120	82	10
M10	20	11.9	93.5	120	119	10
M12	20	11.9	93.5	120	123	10
M14	22	13.9	93.5	120	165	5

RS3020/6-L38

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

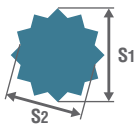
RS3020/6-L38	6 Pieces Set/Rail 150mm	(g)
	M5, M6, M8, M10, M12, M14	308

RS3020/7-L50

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3020/7-L50	7 Pieces Set/Rail 200mm	(g)
	M4, M5, M6, M8, M10, M12, M14	400

XZN

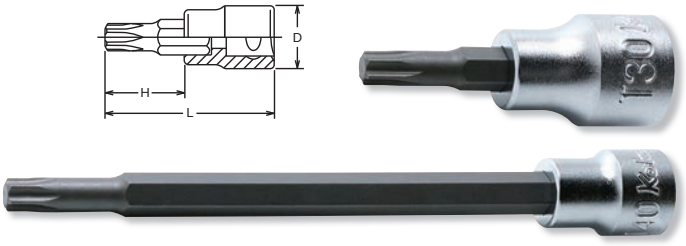


XZN		M4	M5	M6	M8	M10	M12	M14	M16	M18
S_1	(ref. mm)	3.6	4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9
S_2	(ref. mm)	3.1	4.1	5.1	6.1	8.1	9.7	11.2	13.2	14.2

3/8”

3025-38 / -50 / -140 (T)

TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis,TORX®



3025-38 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T 8	18	11.5	38	32	10
T 9	18	11.5	38	32	10
T10	18	11.5	38	32	10
T15	18	11.5	38	33	10
T20	18	11.5	38	33	10
T25	18	11.5	38	33	10
T27	18	11.5	38	33	10
T30	18	11.5	38	33	10
T40	18	11.5	38	34	10
T45	18	11.5	38	37	10
T50	18	11.5	38	49	10
T55	20	11.5	38	57	10

3025-50 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T 8	18	23.5	50	36	10
T 9	18	23.5	50	36	10
T10	18	23.5	50	36	10
T15	18	23.5	50	36	10
T20	18	23.5	50	36	10
T25	18	23.5	50	37	10
T27	18	23.5	50	37	10
T30	18	23.5	50	38	10
T40	18	23.5	50	39	10
T45	18	23.5	50	41	10
T50	18	23.5	50	55	10
T55	20	23.5	50	67	10

3025-140 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T 9	18	113.5	140	75	10
T10	18	113.5	140	75	10
T15	18	113.5	140	75	10
T20	18	113.5	140	75	10
T25	18	113.5	140	76	10
T27	18	113.5	140	76	10
T30	18	113.5	140	77	10
T40	18	113.5	140	78	10
T45	18	113.5	140	80	10
T50	20	113.5	140	94	10
T55	20	113.5	140	106	10

RS3025/8-L38
RS3025/8-L50
RS3025/8-L140KE

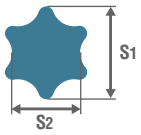
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3025/8-L38	8 Pieces Set/Rail 200mm	(g)
T10, T15, T20, T25, T27, T30, T40, T45		300

RS3025/8-L50	8 Pieces Set/Rail 200mm	(g)
T10, T15, T20, T25, T27, T30, T40, T45		320

RS3025/8-L140KE	8 Pieces Set/Rail 200mm	(g)
New T20, T25, T27, T30, T40, T45, T50, T55		700

TORX® (T)



T		T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
S1	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6	17.6	20.0	22.2
S2	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1	12.7	14.2	15.8

3025-50-T35

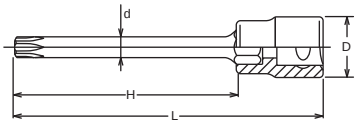
Bit Socket
Bit-Steckschlüssel
Douilles tournevis

3025-50	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T35	18	23.5	50	39	10

3025-100R (T)

TORX® Bit Sockets, round-shaft
TORX® Bit-Steckschlüssel mit Rundschaft
Douilles tournevis TORX® avec manche ronde

3025-100R (T)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T20	18	4	73.5	100	38	10
T25	18	4.6	73.5	100	40	10
T27	18	5.2	73.5	100	42	10
T30	18	5.7	73.5	100	45	10
T40	18	6.8	73.5	100	52	10
T45	18	8	73.5	100	73	10
T50	20	9	73.5	100	80	10
T55	20	11.4	73.5	100	106	10



RS3025/8-L100R

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3025/8-L100R	8 Pieces Set/Rail 200mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55		490

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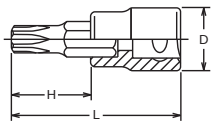
3/8”

3025-50 / -160 (TH)

Tamper Resistant TORX® Bit Sockets
Tamper Resistant TORX® Bit-Steckschlüssel
Douilles tournevis, Tamper-Resistant TORX®



Tamper Resistant TORX® Bit Sockets have less strength due to special design. Make sure to use it correctly.

Bitte beachten Sie die geringere Belastbarkeit der Tamper Resistant Torx Steckschlüssel.

Veuillez respecter la moindre capacité inférieure de charge des douilles Tamper Resistant Torx

3025-50 (TH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T10H	18	23.5	50	37	10
T15H	18	23.5	50	38	10
T20H	18	23.5	50	38	10
T25H	18	23.5	50	38	10
T27H	18	23.5	50	38	10
T30H	18	23.5	50	39	10
T40H	18	23.5	50	40	10
T45H	18	23.5	50	41	10
T50H	18	23.5	50	61	10
T55H	20	23.5	50	61	10

3025-160 (TH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T25H	18	133.5	160	83	10
T27H	18	133.5	160	83	10
T30H	18	133.5	160	84	10
T40H	18	133.5	160	85	10
T45H	18	133.5	160	86	10
T50H	20	133.5	160	128	10
T55H	20	133.5	160	128	10

RS3025/9-HOLE

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3025/9-HOLE	9 Pieces Set/Rail 200mm	(g)
	T10H, T15H, T20H, T25H, T27H, T30H, T40H, T45H, T50H	405

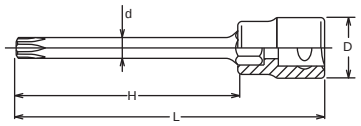
3247

Bit Socket Set
Schraubendreher-Steckschlüssel Satz
Jeu de douilles de vissage

3247	4 Pieces Set/⚖=385g
PLASTIC BAG	
Sockets	
3025.160 Tamper-Resistant TORX® Bit Sockets T27H, T30H, T40H, T50H	

3025-100R (TH)

Tamper-Resistant TORX® Bit Sockets, round-shaft
Tamper-Resistant TORX® Bit-Steckschlüssel mit Rundschaft
Douilles tournevis, Tamper-Resistant TORX® avec manche ronde



3025-100R (TH)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
T20H	18	4	73.5	100	38	10
T25H	18	4.6	73.5	100	40	10
T27H	18	5.2	73.5	100	42	10
T30H	18	5.7	73.5	100	45	10
T40H	18	6.8	73.5	100	52	10
T45H	18	8	73.5	100	73	10
T50H	20	9	73.5	100	80	10
T55H	20	11.4	73.5	100	106	10

RS3025/8-L100RH

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3025/8-L100RH	8 Pieces Set/Rail 200mm	(g)
	T20H, T25H, T27H, T30H, T40H, T45H, T50H, T55H	490

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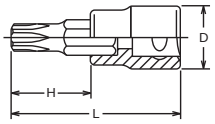
3025-50 (IP)

TORXPLUS® Bit Sockets
TORXPLUS® Bit-Steckschlüssel
Douilles tournevis,TORXPLUS®

3025-50 (IP)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10IP	18	23.5	50	38	10
15IP	18	23.5	50	38	10
20IP	18	23.5	50	38	10
25IP	18	23.5	50	38	10
27IP	18	23.5	50	40	10
30IP	18	23.5	50	40	10
40IP	18	23.5	50	41	10
45IP	18	23.5	50	41	10
50IP	20	23.5	50	61	10
55IP	20	23.5	50	61	10



RS3025/8-IP

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3025/8-IP	8 Pieces Set/Rail 200mm	(g)
20IP, 25IP, 27IP, 30IP, 40IP, 45IP, 50IP, 55IP		370

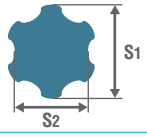
RSX025/11-IP

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RSX025/11-IP	11 Pieces Set/Rail 200mm	(g)
2025.28(IP)	**10IP, 15IP, 20IP, 25IP, 27IP**	480
3025.50(IP)	**30IP, 40IP, 45IP, 50IP**	
4025.60(IP)	**55IP, 60IP**	

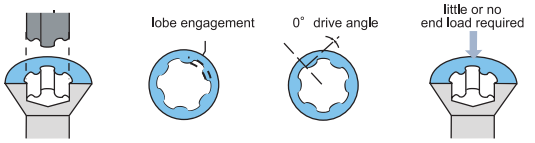
1/4" + 3/8" + 1/2"

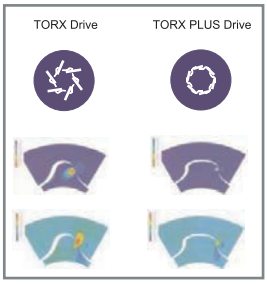
TORXPLUS® (IP)

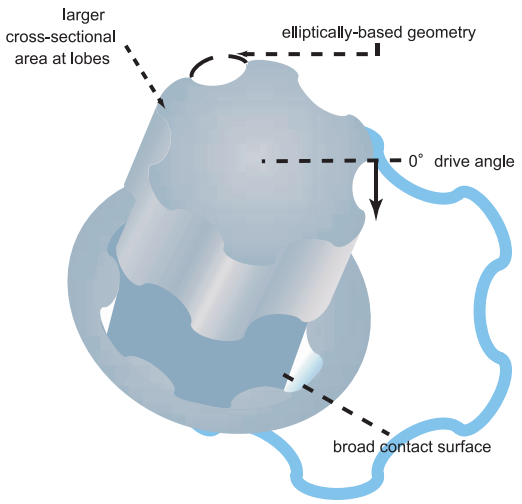


IP		8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S_1	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S_2	(ref. mm)	1.8	1.9	2.1	2.5	3.0	3.4	3.9	4.3	5.2	6.2	6.9	9.0	10.4	12.3

TORXplus®







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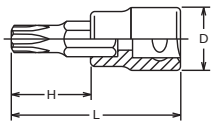
3/8”

3025-50 (IPR)

Tamper-Resistant TORXPLUS® Bit Sockets
Tamper-Resistant TORXPLUS® Bit-Steckschlüssel
Douilles tournvis TORXPLUS® avec trou

TORXplus®



3025-50 (IPR)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10IPR	18	23.5	50	38	10
15IPR	18	23.5	50	38	10
20IPR	18	23.5	50	38	10
25IPR	18	23.5	50	38	10
27IPR	18	23.5	50	40	10
30IPR	18	23.5	50	40	10
40IPR	18	23.5	50	41	10
45IPR	18	23.5	50	41	10
50IPR	20	23.5	50	61	10
55IPR	20	23.5	50	61	10

RS3025/9-IPR

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3025/9-IPR	9 Pieces Set/Rail 200mm	(g)
	10IPR, 15IPR, 20IPR, 25IPR, 27IPR, 30IPR, 40IPR, 45IPR, 50IPR	395

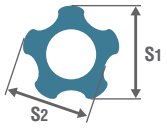
RSX025/11-IPR

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RSX025/11-IPR	11 Pieces Set/Rail 200mm	(g)
2025.28(IPR)	**8IPR, 10IPR, 15IPR, 20IPR, 25IPR, 27IPR, 30IPR**	320
3025.50(IPR)	**40IPR, 45IPR, 50IPR, 55IPR**	

1/4" + 3/8"

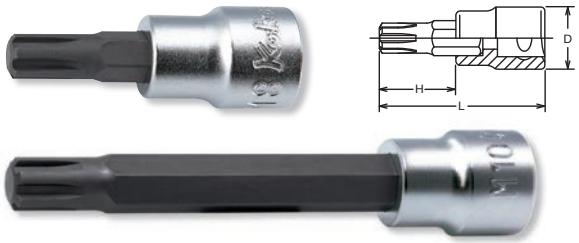
TORXPLUS® (IPR)



IPR		8IPR	9IPR	10IPR	15IPR	20IPR	25IPR	27IPR	30IPR	40IPR	45IPR	50IPR	55IPR
S_1	(ref. mm)	2.2	2.4	2.6	3.1	3.6	4.1	4.7	5.2	6.3	7.4	8.4	10.6
S_2	(ref. mm)	2.0	2.2	2.4	2.8	3.3	3.8	4.3	4.8	5.7	6.7	7.6	9.7

3027-50 / -100

Bit Sockets for Ribe Screws
Steckschlüsselklingen für Ribe Schrauben
Douilles tournevis pour écrous profil Ribe



3027-50	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	18	23.5	50	38	10
M 6	18	23.5	50	38	10
M 7	18	23.5	50	38	10
M 8	18	23.5	50	39	10
M 9	20	23.5	50	40	10
M10	20	23.5	50	40	10
M12	20	23.5	50	41	10

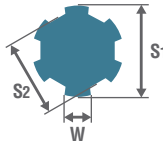
3027-100	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	18	73.5	100	40	10
M 6	18	73.5	100	42	10
M 8	18	73.5	100	45	10
M10	20	73.5	100	52	10
M12	20	73.5	100	73	10

RS3027/5-L50

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS3027/5-L50	5 Pieces Set/Rail 150mm	(g)
	M5, M6, M8, M10, M12	240

Ribe CV



CV		M5	M6	M7	M8	M9	M10	M12	M13	M14	M16
W	(ref. mm)	1.2	1.3	1.4	1.8	2.0	2.3	2.6	3.1	3.2	3.6
S_1	(ref. mm)	5.0	6.0	7.0	8.0	9.0	10.0	12.0	13.0	14.0	16.0
S_2	(ref. mm)	3.8	4.5	5.0	6.0	7.1	7.4	9.0	11.0	10.4	11.9

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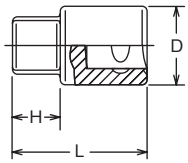
TORXplus® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORXplus® est une marque déposée de **CAMCAR Innovations.**

3110M / 3110A

4-point Male Sockets
Öldienst-Steckschlüssel
Douilles mâles 4-pans

3110M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
6	18	10	28	30	10
8	18	10	28	30	10
10	18	10	28	33	10
12	18	10	28	37	10

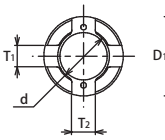
3110A (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/16	18	10	28	30	10
3/8	18	10	28	33	10
1/2	18	10	28	37	10

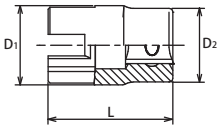


3119

Wing Bolt Socket
Steckschlüssel für Flügelschraube
Douilles pour ecrous à oreilles

3119 (mm)	$T_1 \times T_2$ (mm)	D_1 (mm)	D_2 (mm)	d (mm)	L (mm)	(g)	(pcs.)
3 ×5	3 ×5	17	17.3	11	30	30	10
5.5×6	5.5×6	21	19.5	14	33	45	10





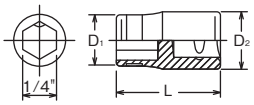
For Wing Bolt
Für Flügelschrauben
Pour ecrous à oreilles

For Drain Plug in Radiator
Für Kühler-Ablasschrauben
Pour le vidange du radiateur

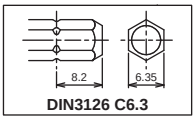
3137

Bit Holder
Klingenhalter
Porte-embouts

	D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)
3137	13	16.5	30	30	10



For DIN3126 C6.3 Bits
Für DIN3126 C6.3 Bits
Pour DIN3126 C6.3 Embouts

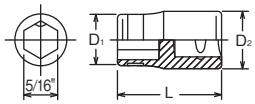


D6.3

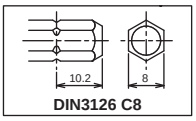
3138

Bit Holder
Klingenhalter
Porte-embouts

	D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)
3138	16	18	38	55	10



For DIN3126 C8 Bits
Für DIN3126 C8 Bits
Pour DIN3126 C8 Embouts

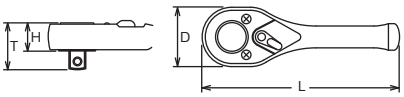


D8

3/8”

2749PS-3/8

Reversible Ratchet (Short)
Knarre kurz, verstellbar
Cliquet courte, réversible



RATCHET HANDLE

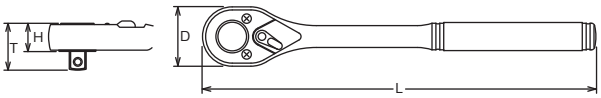
SDDH-System 24

* Renewal Kits → 2749RK-3/8 ➡P318

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
2749PS-3/8	25	21.9	11.2	75	70	10

2749P-3/8

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible



SDDH-System 24

* Renewal Kits → 2749RK-3/8 ➡P318

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2749P-3/8	25	21.9	11.2	125	101	1

2749-3/8 series have less strength compared with normal 3/8” ratchet due to the technical design. Make sure to use the ratchet correctly.

3749S

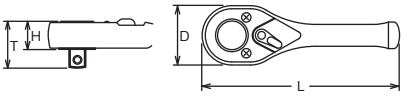
Reversible Ratchet (Short)
Knarre kurz, verstellbar
Cliquet courte, réversible

SDDH-System Two-Step Dog 24

* Renewal Kits → 3749RK ➡P318

3749SB

Reversible Ratchet with quick release button
Knarre, verstellbar mit Entriegelungsknopf
Cliquet, réversible avec bouton de débrayage



SDDH-System Two-Step Dog 24 push Quick Release

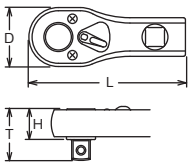
* Renewal Kits → 3749BRK ➡P318

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3749S	34	24.8	14.1	110	183	5
3749SB	34	24.8	14.1	110	183	5

Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

3753SM

Multi Purpose Ratchet, reversible
Knarre mir 2 Vierkantöffnungen, umstellbar
Cliquet réversible deux carrés femelles, réversibles



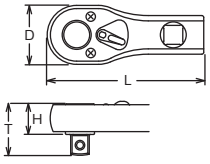
SDDH-System Two-Step Dog 24

* Renewal Kits → 3753RK ➡P318

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3753SM	30.5	26.4	15.7	81	175	5

3753SMB

Multi Purpose Ratchet, reversible, with quick release button
Knarre mit 2 Vierkantöffnungen, mit Entriegelungsknopf umstellbar
Cliquet réversible deux carrés, avec bouton de débrayage



SDDH-System Two-Step Dog 24 push Quick Release

* Renewal Kits → 3753BRK ➡P318

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3753SMB	30.5	26.4	15.7	81	175	5

[L/R Marking]

L/R Marking 45

* Renewal Kits → 3752RK ➡P319

L/R Marking 45

* Renewal Kits → 3752RK ➡P319

A pointer and L/R markings on the ratchet head Indicate the turning direction.
The reduced diameter of the head allows easier access in tight spots.

Eine L/R Markierung auf dem Knarrenkopf zeigt die gerade eingestellte Drehrichtung an. Der geringe Kopfdurchmesser erleichtert das Arbeiten auch an schwer zugänglichen Stellen.

Un marquage L/R sur la tête de cliquet indique le sens de rotation.
Le diamètre de tête réduit facilite le travail dans les endroits difficilement accessibles.

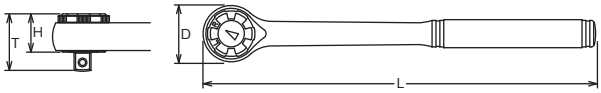
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3752J	33	34.3	23.9	200	310	1
3752N	33	34.3	23.9	200	310	1

3752J

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

3752N

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible



SODH - System 2 Two-Step Dog 24

* Renewal Kits → 3753RK ➡P318

3753J

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

SODH - System 2 Two-Step Dog 24

* Renewal Kits → 3753RK ➡P318

3753P

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

SODH - System 2 Two-Step Dog 24

* Renewal Kits → 3753RK ➡P318

3753N

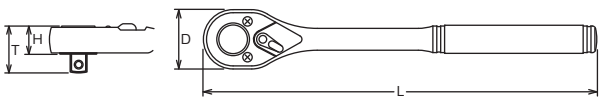
Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

SODH - System 2 Two-Step Dog 24

* Renewal Kits → 3753RK ➡P318

D3753J

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible



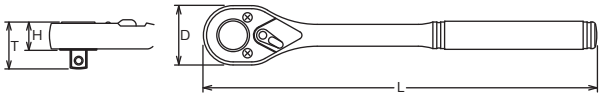
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3753J	30.5	26.4	15.7	200	260	1
3753P	30.5	26.4	15.7	200	286	1
3753N	30.5	26.4	15.7	200	320	1
D3753J	30.5	26.4	15.7	200	260	1

SODH - System 2 Two-Step Dog 24

* Renewal Kits → 3753RK ➡P318

3753P-250

Reversible Ratchet (Long)
Verstellbare Knarre, lang
Cliquet réversible, long



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3753P-250	30.5	26.4	15.7	250	335	1

⚠ 3753P-250 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

3/8”

3753JB

Reversible Ratchet with quick release button
Knarre, verstellbar mit Entriegelungsknopf
Cliquet, réversible avec bouton de débrayage

SODH-System | 2 Two-Step Dog | 24 | push Quick Release

* Renewal Kits → 3753BRK ➡P318

3753PB

Reversible Ratchet with quick release button
Knarre, verstellbar mit Entriegelungsknopf
Cliquet, réversible avec bouton de débrayage

SODH-System | 2 Two-Step Dog | 24 | push Quick Release

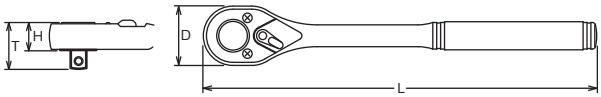
* Renewal Kits → 3753BRK ➡P318

3753NB

Reversible Ratchet with quick release button
Knarre, verstellbar mit Entriegelungsknopf
Cliquet, réversible avec bouton de débrayage

SODH-System | 2 Two-Step Dog | 24 | push Quick Release

* Renewal Kits → 3753BRK ➡P318



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3753JB	30.5	26.4	15.7	200	260	1
3753PB	30.5	26.4	15.7	200	286	1
3753NB	30.5	26.4	15.7	200	320	1

Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

Die Umschaltknarre mit Entriegelungsknopf hat aufgrund der technischen Konstruktion eine geringere Festigkeit als eine normale Ratsche. Stellen Sie sicher, dass Sie die Ratsche richtig verwenden.

Le cliquet réversible avec bouton de débrayage a une résistance moindre que le cliquet normal en raison de sa conception technique. Veillez utiliser le cliquet correctement.

2774JS-3/8

Flexible Ratchet, reversible
Gelenk-Knarre, verstellbar
Cliquet articulé, réversible

SODH-System | 24 | Flexible Head

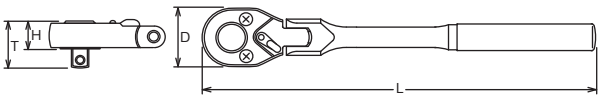
* Renewal Kits → 2749RK-3/8 ➡P318

2774PS-3/8

Flexible Ratchet, reversible
Gelenk-Knarre, verstellbar
Cliquet articulé, réversible

SODH-System | 24 | Flexible Head

* Renewal Kits → 2749RK-3/8 ➡P318



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
2774JS-3/8	25	21.9	11.2	120	113	1
2774PS-3/8	25	21.9	11.2	120	133	1

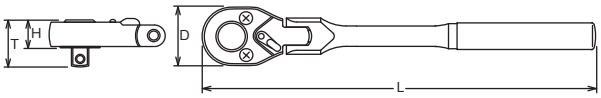
2774-3/8 series have less strength compared with normal 3/8" ratchet due to the technical design. Make sure to use the ratchet correctly.

3774PS

Flexible Ratchet, reversible
Gelenk-Knarre, verstellbar
Cliquet articulé, réversible

SODH-System | 2 Two-Step Dog | 24 | Flexible Head

* Renewal Kits → 3753RK ➡P318



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3774PS	30.5	26.4	15.7	175	250	1

3/8”

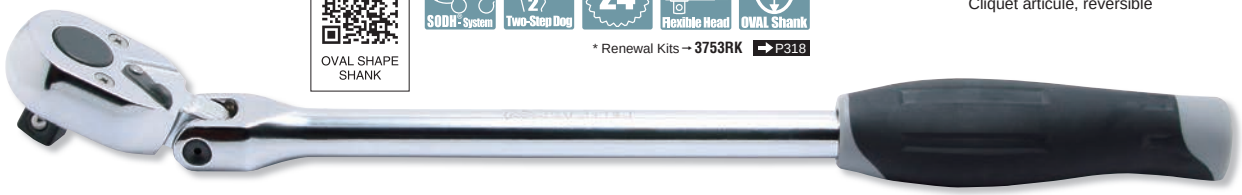
OVAL SHAPE SHANK

SODH-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

3774J

Flexible Ratchet, reversible
Gelenk-Knarre, verstellbar
Cliquet articulé, réversible

* Renewal Kits → 3753RK ➡P318



3774P

Flexible Ratchet, reversible
Gelenk-Knarre, verstellbar
Cliquet articulé, réversible

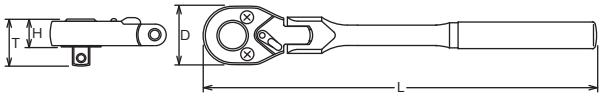
* Renewal Kits → 3753RK ➡P318

3774N

Flexible Ratchet, reversible
Gelenk-Knarre, verstellbar
Cliquet articulé, réversible

* Renewal Kits → 3753RK ➡P318

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3774J	30.5	26.4	15.7	285	367	1
3774P	30.5	26.4	15.7	265	378	1
3774N	30.5	26.4	15.7	265	378	1

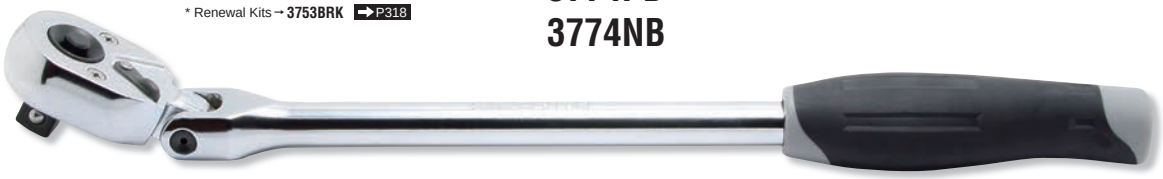


SODH-System | Two-Step Dog | 24 | Quick Release | Flexible Head | OVAL Shank

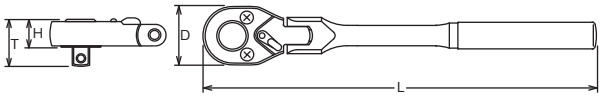
3774JB
3774PB
3774NB

Flexible Ratchet, reversible with quick release button
Gelenk-Knarre, verstellbar mit Entriegelungsknopf
Cliquet, articulée, réversible avec bouton de débrayage

* Renewal Kits → 3753BRK ➡P318



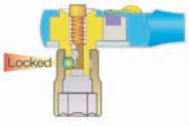
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3774JB	30.5	26.4	15.7	285	367	1
3774PB	30.5	26.4	15.7	265	373	1
3774NB	30.5	26.4	15.7	265	378	1



⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

Die Umschaltknarre mit Entriegelungsknopf hat aufgrund der technischen Konstruktion eine geringere Festigkeit als eine normale Ratsche. Stellen Sie sicher, dass Sie die Ratsche richtig verwenden.

Le cliquet réversible avec bouton de libération rapide a une résistance moindre que le cliquet normal en raison de sa conception technique. Veillez à utiliser le cliquet correctement.



Reversible Ratchet with Quick Release Button :
Sockets and accessories are safely locked. By pushing the button the sockets or extension bars are released from the ratchet.

Umstellbare Knarre mit Entriegelungsknopf :
Steckschlüssel und Zubehörteile werden sicher und fest gehalten. Bei Drücken des Knopfes lösen sich die Teile.

Cliquet réversible avec bouton de débrayage :
Les douilles et accessoires ne peuvent plus se libérer. Une pression du pouce sur le bouton suffit pour les extraire.

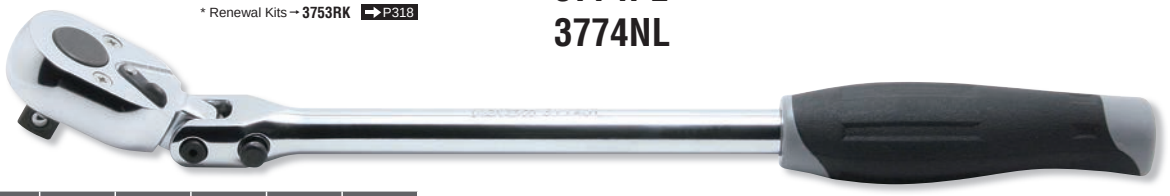
J-Handle	P-Handle	N-Handle

SODH-System | Two-Step Dog | 24 | Flexible Head | OVAL Shank

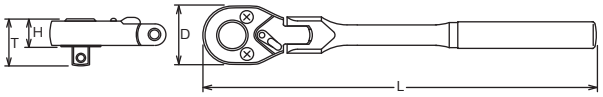
3774JL
3774PL
3774NL

Flex-Head Ratchet with Head Lock Button
Gelenk-Knarre, mit feststellbarem Gelenk
Cliquet à tête articulée avec bouton de blocage

* Renewal Kits → 3753RK ➡P318



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3774JL	30.5	26.4	15.7	285	367	1
3774PL	30.5	26.4	15.7	265	378	1
3774NL	30.5	26.4	15.7	265	378	1



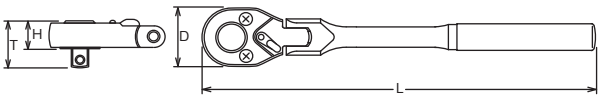
3774JBL

Flex-Head Ratchet with Head Lock Button and Quick Release Button
Gelenk-Knarre, mit feststellbarem Gelenk und Entriegelungsknopf
Cliquet à tête articulée avec bouton de blocage et de débrayage

OVAL SHAPE SHANK

SODH-System | Two-Step Dog | 24 | Quick Release | Flexible Head | OVAL Shank

* Renewal Kits → 3753BRK ➡P318



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3774JBL	30.5	26.4	15.7	285	367	1

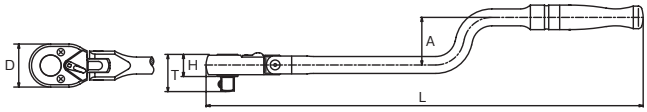
Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

Die Umschaltknarre mit Entriegelungsknopf hat aufgrund der technischen Konstruktion eine geringere Festigkeit als eine normale Ratsche. Stellen Sie sicher, dass Sie die Ratsche richtig verwenden.

Le cliquet réversible avec bouton de débrayage rapide a une résistance moindre que le cliquet normal en raison de sa conception technique. Veuillez utiliser le cliquet correctement.

3774P-SR

Speeder Ratchet
Kurbel-Knarre
Vilebrequin à cliquet



SODH-System | Two-Step Dog | 24 | Flexible Head

* Renewal Kits → 3753RK ➡P318

	D (mm)	T (mm)	H (mm)	A (mm)	L (mm)	(g)	(pce.)
3774P-SR	30.5	26.4	15.7	34	310	435	1

3776J

Swivel Head Ratchet
Schwenkkopf-Knarre
Cliquet à tête pivotante

Swivel Head | L/R Marking | 45

* Renewal Kits → 3752RK ➡P319

3776P

Swivel Head Ratchet
Schwenkkopf-Knarre
Cliquet à tête pivotante

Swivel Head | L/R Marking | 45

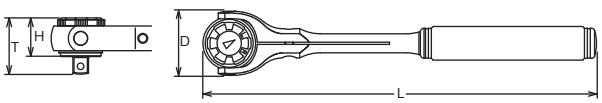
* Renewal Kits → 3752RK ➡P319

3776N

Swivel Head Ratchet
Schwenkkopf-Knarre
Cliquet à tête pivotante

Swivel Head | L/R Marking | 45

* Renewal Kits → 3752RK ➡P319

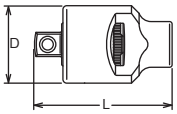


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3776J	44	34.3	23.9	280	510	1
3776P	44	34.3	23.9	280	560	1
3776N	44	34.3	23.9	280	565	1

45

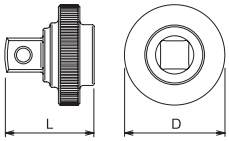
* Renewal Kits → 3755RK ➡P319

3755 Ratchet Adaptor
Aufsteckknarre
Cliquet adaptable



	D (mm)	L (mm)	(g)	(pcs.)
3755	30.5	55	146	5

3756 Quick Spinner
Rändel-Drehscheibe
Lanceur



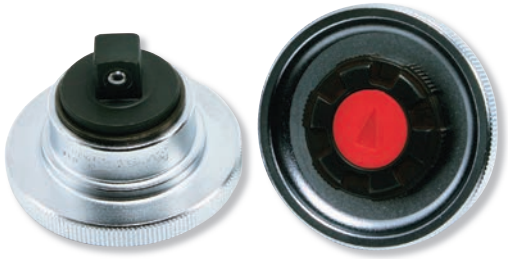
	D (mm)	L (mm)	(g)	(pcs.)
3756	30.5	25.5	47	10

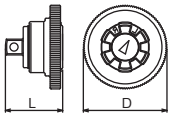
L/R Marking

45

* Renewal Kits → 3752RK ➡P319

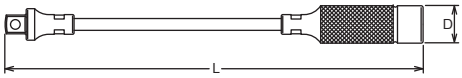
3757 Ratchet Wheel
Umstellbares Knarren-Handrad
Cliquet réversible à roue





	D (mm)	L (mm)	(g)	(pcs.)
3757	50	35	155	5

3762 Flexible Extension Bar
Biegsame Verlängerung
Rallonge flexible

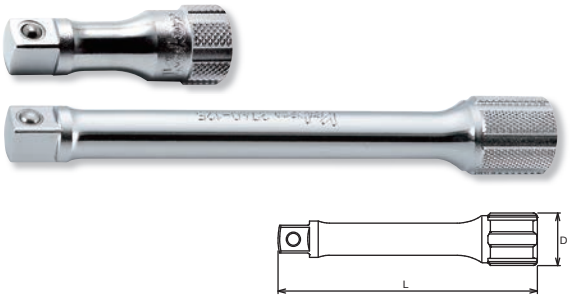


	D (mm)	L (mm)	(g)	(pcs.)
3762	19.3	300	178	2

3/8”

3760

Extension Bars
Verlängerungen
Rallonges



	D (mm)	L (mm)	(g)	(pcs.)
3760-32	18	32	27	10
3760-50	18	50	47	10
3760-75	18	75	68	10
3760-125	18	125	106	10
3760-150	18	150	125	10
3760-250	18	250	196	5
3760-300	18	300	291	2
3760-400	18	400	365	1
3760-500	18	500	490	1
3760-600	18	600	538	1
3760-900	18	900	805	1
3760-1000	18	1000	968	1

PK3760/6

Extension Set in Plastic Box
Verlängerungen in Kunststoffkassette
Jeu de rallonges en boîte plastique

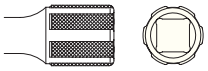
PK3760/6 — 6 Pieces Set/⚖=670g

PLASTIC TRAY

Extension Bars

3760 Extension Bars
32, 50, 75, 125, 150, 250

Rotation and general handling of extensions with oily hands is greatly improved with the Koken developed 6 point knurling. Also the Koken 6 point knurling stops the extensions from rolling around the work area.

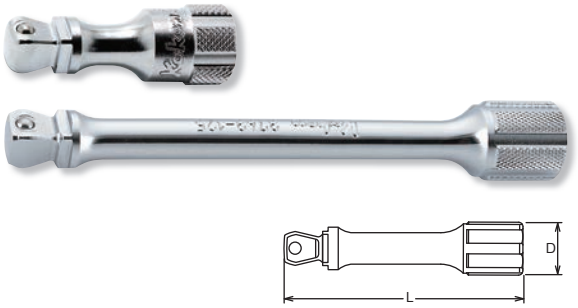


Durch die von Koken entwickelte 6 fache Rändelung wird die Handhabung deutlich erleichtert. Außerdem wird das Herumrollen der Verlängerungen wirksam verhindert.

La manipulation des rallonges est grandement facilitée par le profil moleté développé par Koken. Ce méme profile empèche le roulement intempestif des rallonges sur le plan de travail.

3763

Wobble-Fix Extension Bars
Winkel-Verlängerungen
Rallonges angulaires



WOBBLE-FIX EXTENSION BAR

Wobble-Fix

	D (mm)	L (mm)	(g)	(pcs.)
3763-32	18	32	26	10
3763-50	18	50	42	10
3763-75	18	75	57	10
3763-125	18	125	80	10
3763-150	18	150	98	10
3763-250	18	250	144	5
3763-300	18	300	170	2

PK3763/6

Wobble-Fix Extension Bars in Plastic Box
Winkel-Verlängerungen in Kunststoffkassette
Jeu de rallonges angulaires en boîte plastique

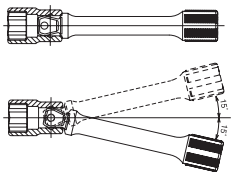
PK3763/6 — 6 Pieces Set/⚖=560g

PLASTIC TRAY

Extension Bars

3763 Wobble-Fix Extension Bars
32, 50, 75, 125, 150, 250

Wobble-Fix Extension Bar
Two way usage
a) In a fixed position, as a normal extension bar
b) In a half-fixed position, as a flexible extension bar providing a 15° angle operation



Winkel-Verlängerungen
Winkelverlängerungen lassen sich in zwei Einstellungen verwenden
a) voll eingesteckt und starr,
b) halb eingesteckt, mit einem Arbeitswinkel von 15°.

Rallonges angulaires
Deux utilisations possibles
a) comme rallonge normale, dans une position fixe
b) comme une rallonge angulaire avec une possibilité d'inclinaison jusqu'à 15°

The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

Die Wobble-Fix Verlängerungen haben aufgrund ihrer speziellen Konstruktion mit einem reduzierten Vierkantantrieb eine geringere Festigkeit als eine normale Verlängerung. Achten Sie darauf, sie richtig zu verwenden.

La barre d'extension wobble-fix est moins résistante qu'une barre d'extension normale en raison de sa conception spécifique avec un carré d'entraînement réduit. Veuillez l'utiliser correctement.

OVAL Shank

OVAL SHAPE SHANK

RENEWAL KIT FOR HINGE HANDLE

3768J-250

Hinge Handle
Gelenkgriff
Poignée articulée

* Renewal Kits → 3768RK ➡P321

OVAL Shank

3768P-250

Hinge Handle
Gelenkgriff
Poignée articulée

* Renewal Kits → 3768RK ➡P321

* Renewal Kits → 3768RK ➡P321

3768P-380

Hinge Handle
Gelenkgriff
Poignée articulée

	D (mm)	L (mm)	(g)	(pcs.)
3768J-250	20.5	250	248	2
3768P-250	20.5	250	275	5
3768P-380	20.5	380	435	2

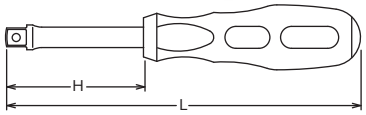
3768P-380 has longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

Der Gelenkgriff 3768-380 ist länger als die Standardversion. Aus Gründen Ihrer Sicherheit, sollten dies Werkzeug nie ruckartig sondern nach und nach belastet werden, um Bruch und damit verbundene, mögliche Verletzungen zu vermeiden.

Dû au fait que les manches des 3768-380 sont plus longues que le standard, il y a risque d’une surcharge excessive lors du serrage. Pour éviter casse et blessure, veuillez serrer d’une façon régulière et progressive.

3769N-160 / -230

Spin Type Handle
Drehgriff
Poignée emmanchée



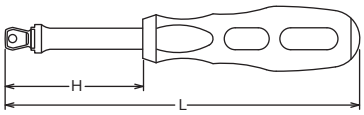
3769N	H (mm)	L (mm)	(g)	(pcs.)
160	50	160	110	2
230	120	230	135	2

WOBBLE-FIX EXTENSION BAR

Wobble-Fix

3769NWF-160 / -230

Spin Type Handle Wobble-Fix
Drehgriff, Wobble-Fix
Poignée emmanchée, angulaire



3769NWF	H (mm)	L (mm)	(g)	(pcs.)
160	50	160	110	2
230	120	230	135	2

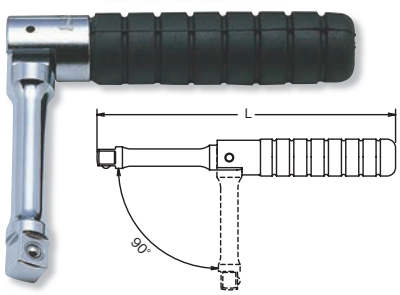
Plastic or rubber handles are not intended to act as insulation.

Plastik-oder Gummigriffe stellen keinen Isolierschutz dar.

Les poignées en plastique ou en caoutchouc ne garantissent aucune isolation électrique.

3769H

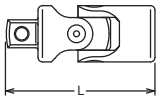
Folding Socket Driver
Klapp-Drehgriff
Poignée tournevis articulée

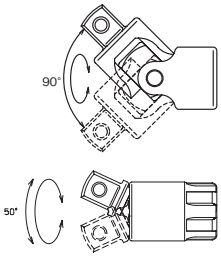


	L (mm)	(g)	(pcs.)
3769H	170	210	2

3/8”

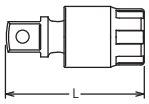
3770 Universal Joint
Gelenk-Einsatz
Cardan universel





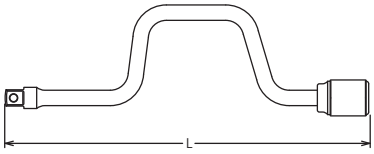
3771 Universal Joint
Gelenk-Einsatz
Joint articulé

UNIVERSAL JOINT



	L (mm)	(g)	(pcs.)
3770	50	66	10
3771	43	46	10

3780 Speed Handle
Winde
Vilebrequin



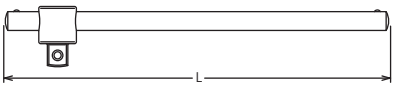
	L (mm)	(g)	(pce.)
3780	400	432	1

OVAL Shank

OVAL SHAPE SHANK

Innovative Oval shaped bar provides higher durability and stops the sliding square part turning around the bar.

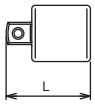
3785 T-Handle
T-Griff
Poignée coulissante



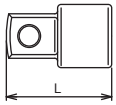
	L (mm)	(g)	(pcs.)
3785	200	157	5

3322A Adaptor
Verbindungsstück
Augmentateur

Warranty 86Nm
Garantie 86Nm
Garantie 86Nm



3344A Adaptor
Verbindungsstück
Augmentateur



	凹 (sq.)	凸 (sq.)	L (mm)	(g)	(pcs.)
3322A	3/8"	1/4"	24	18	10
3344A	3/8"	1/2"	30	35	10

Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

Reduzierstücke sind mit Vernunft einzusetzen.
Es besteht Bruchgefahr. Überschreiten Sie niemals die Sicherheitsgrenzen.

Les réducteurs doivent être utilisés avec modération. Ne dépassez jamais la limites de sécurité.

PK2346/6 Adaptor Set in Plastic Box
Adaptor Satz in Kunststoffkassette
Jeu de adaptateur en boîte plastique

2233A 1/4" X 3/8"
3322A 3/8" X 1/4" Warranty/Garantia 86Nm
3344A 3/8" X 1/2"
4433A 1/2" X 3/8" Warranty/Garantia 290Nm
4466A 1/2" X 3/4"
6644A 3/4" X 1/2" Warranty/Garantia 668Nm

PK2346/6	6 Pieces Set/⚖=460g
PLASTIC TRAY	
Adaptors	
1/4"凹→3/8"凸 2233A	3/8"凹→1/4"凸 3322A
3/8"凹→1/2"凸 3344A	1/2"凹→3/8"凸 4433A-35
1/2"凹→3/4"凸 4466A	3/4"凹→1/2"凸 6644A

ESH3001

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

ESH3001 — 17 Pieces Set/⚖=2,200g

METAL CASE:W415×H120×T50mm

Sockets	Accessories
3410M Surface Drive Sockets 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	**3753J** **3760-125** **3760-250** **3770** **3785**

ETH3001 — 22 Pieces Set/⚖=1,820g

METAL CASE:W392×H90×T50mm

Sockets	Accessory
3425 TORX® Sockets E4, E5, E6, E7, E8 **4425** TORX® Sockets E10, E11, E12, E14, E16, E18 **3025.50** TORX® Bit Sockets T10, T15, T20, T25, T27 **4025.60** TORX® Bit Sockets T30, T40, T45, T50, T55	**4433A-35**

ETH3001

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

3201AMW

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

3201AMW — 42 Pieces Set/⚖=4,700g

METAL CASE:W445×H190×T50mm

Sockets	Accessories
3405M 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 **3405A** 12-pt. Sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8 **3405W** 12-pt. Sockets 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2	**3753N** **3760-75** **3760-125** **3760-250** **3768N-250** **3769N-160** **3770** **3780** **3785** **3344A**

3206AM — 27 Pieces Set/⚖=3,500g

METAL CASE:W445×H190×T50mm

Sockets	Accessories
3405M 12-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 19, 22 **3405A** 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8,11/16, 3/4, 13/16, 7/8 **3300C** Spark Plug Socket 20.8	**3753J** **3760-125** **3760-250** **3768J-250** **3770**

3206AM

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

3210M-00 — 22 Pieces Set/⚖=2,900g
3210M-05 — 22 Pieces Set/⚖=2,900g
3210M-10 — 22 Pieces Set/⚖=2,900g

METAL CASE:W360×H145×T50mm

Sockets	Accessories
(3210M-00) **3400M** 6-pt. Sockets 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22 (3210M-05) **3405M** 12-pt. Sockets 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22 (3210M-10) **3410M** Surface Drive Sockets 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22	**3753J** **3760-125** **3760-250** **3768J-250** **3770** **3785**

3210M-00 / 3210A-00
3210M-05 / 3210A-05
3210M-10

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

3210A-00 — 18 Pieces Set/⚖=2,760g
3210A-05 — 18 Pieces Set/⚖=2,760g

METAL CASE:W360×H145×T50mm

Sockets	Accessories
(3210A-00) **3400A** 6-pt. Sockets 1/4, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8 (3210A-05) **3405A** 12-pt. Sockets 1/4, 5/16, 11/32, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8	**3753J** **3760-125** **3760-250** **3768J-250** **3770** **3785**

3216

Spark Plug Sockets Set
Zündkerzen-Schlüssel Satz
Jeu de douilles pour bougies

3216	4 Pieces Set/=730g

PLASTIC BAG

Sockets	Accessories
3300C Spark Plug Sockets 16, 20.8	**3760-125** **3774JL**

3217M-00
3217M-05
3217M-10

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

3217M-00	14 Pieces Set/=850g
3217M-05	14 Pieces Set/=850g
3217M-10	14 Pieces Set/=850g

METAL CASE:W163×H52×T33mm

Sockets
(3217M-00) **3400M** 6-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
(3217M-05) **3405M** 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
(3217M-10) **3410M** Surface Drive Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22

S3240M-00 / S3240A-00
S3240M-05 / S3240A-05

Display Stands
Ausstellungsständer
Présentoirs

S3240M-00	3400M 177 Pieces Set/=10,300g
S3240M-05	3405M 177 Pieces Set/=10,300g

DISPLAY STAND:W510×H150×T230mm

Sockets		
6mm:12pcs	12mm:12pcs	18mm:8pcs
7mm:12pcs	13mm:11pcs	19mm:8pcs
8mm:12pcs	14mm:11pcs	20mm:7pcs
9mm:12pcs	15mm:10pcs	21mm:7pcs
10mm:12pcs	16mm: 9pcs	22mm:7pcs
11mm:12pcs	17mm: 9pcs	23mm:6pcs

S3240A-00	3400A 126 Pieces Set/=8,500g
S3240A-05	3405A 126 Pieces Set/=8,500g

DISPLAY STAND:W510×H150×T230mm

Sockets		
1/4" :12pcs	9/16":10pcs	25/32":7pcs
5/16":12pcs	19/32":10pcs	13/16":7pcs
3/8" :12pcs	5/8" : 9pcs	7/8" :7pcs
7/16":12pcs	11/16": 9pcs	
1/2" :11pcs	3/4" : 8pcs	

3250M-00
3250M-05

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

3250M-00	17 Pieces Set/=2,200g
3250M-05	17 Pieces Set/=2,200g

METAL CASE:W415×H120×T50mm

Sockets	Accessories
3400M 6-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	**3753J** **3760-125** **3760-250** **3770** **3785**
3405M 12-pt. Sockets 7, 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	

3251

Bit Socket Set
Schraubendreher-Steckschlüssel Satz
Jeu de douilles de vissage

3251	8 Pieces Set/⚖=675g

METAL CASE:W160×H100×T28mm

Sockets	Accessories
3025.50 TORX® Bit Sockets T25H, T30H, T40H, T45H, T50H	**2774PS-3/8** **3763-50** **3756**

3252M

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

3252M	15 Pieces Set/⚖=1,530g

METAL CASE:W310×H90×T48mm

Sockets	Accessories
3400M 6-pt. Sockets 5.5, 7, 8, 10, 11, 12 **3405M** 12-pt. Sockets 13, 14, 17, 19, 22	**3753P** **3760-75** **3760-125** **3770**

3275

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

3275	24 Pieces Set/⚖=3,150g

METAL CASE:W400×H147×T50mm

Sockets	Accessories
3400M 6-pt. Sockets 6, 7, 8, 9, 10, 11, 12 **3405M** 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21, 22 **3300C** Spark Plug Sockets 16, 20.8	**3753J** **3760-125** **3760-250** **3768J-250** **3770** **3756**

3277

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

3277	29 Pieces Set/⚖=3,240g

METAL CASE:W370×H150×T50mm

Sockets	Accessories
3400M 6-pt. Sockets 8, 9, 10, 11, 12 **3405M** 12-pt. Sockets 13, 14, 15, 16, 17, 18, 19, 21 **3300M** 6-pt. Deep Sockets 8, 9, 10, 11, 12 **3305M** 12-pt. Deep Sockets 13, 14, 15, 16, 17, 18, 19, 21	**3753J** **3760-125** **3768J-250**

3278

Bit Socket Set
Schraubendreher-Steckschlüssel Satz
Jeu de douilles de vissage

3278	20 Pieces Set/⚖=3,370g

METAL CASE:W310×H150×T50mm

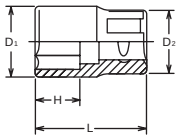
Sockets	Accessories
3000 Bit Sockets 2, 3 **3010M.62** Hex Bit Sockets 5, 6, 7, 8, 10 **3020.50** XZN Bit Sockets M4, M5, M6, M8 **3025.50** TORX® Bit Sockets T10, T15, T20, T25, T27, T30, T40	**3753J** **3763-125**

1/2”

4401M

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

HANDY-ENDY®



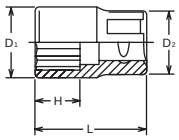
FLAT DRIVE®

4401M 4406M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13.2	22	8	36	44	10
9	13.8	22	8.5	37	44	10
10	15.3	22	9	37	45	10
11	16.5	22	9.5	37	46	10
12	17.8	22	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24	22	12.5	37	69	10
18	25	23	13	37	74	10
19	26.5	24.5	14	38	89	10
20	27.8	26	15	38	92	10
21	29	27	15.5	38	102	10
22	30	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.8	30	17	42	140	5
25	34	31	18	42	164	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	196	5
28	37.8	34	20	43	198	5
29	39	35	20.5	43	190	5
30	40	36	22	46	222	5
31	41.5	37	22.5	46	257	5
32	42.8	38	23	46	250	5

4406M

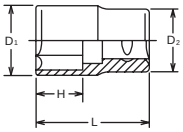
12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans

HANDY-ENDY®



4400M

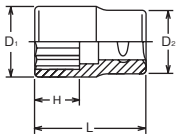
6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



4400M 4405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
33	44.2	39	24	47	275	5
34	45.2	40	24	47	315	5
35	46.2	40	24	47	317	5
36	47.2	41	24	47	336	5
37	48.3	42	24	47	360	5
38	49.2	43	24	47	380	5
41	53.1	45	29	57	471	5
46	59.1	48	32	60	567	2

4405M

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



RS4401M/10

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4401M/10	10 Pieces Set/Rail 300mm	(g)
	10, 11, 12, 13, 14, 15, 16, 17, 18, 19	720

RS4406M/10

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4406M/10	10 Pieces Set/Rail 300mm	(g)
	10, 11, 12, 13, 14, 15, 16, 17, 18, 19	720

4400A 4405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	10.7	21	6	36	41	10
5/16	13.2	21	8	36	44	10
3/8	14.6	21	9	37	45	10
7/16	16.5	21	9.5	37	46	10
1/2	19	22	10.5	37	53	10
9/16	20.3	22	11	37	56	10
19/32	21.5	22	11.5	37	52	10
5/8	22.8	22	12	37	62	10
21/32	24	23	12.5	37	69	10
11/16	25	24	13	37	74	10
3/4	26.5	25	14	38	89	10
25/32	27.8	26	15	38	92	10
13/16	29	27	15.5	38	102	10
7/8	30	28	16	40	113	10
15/16	32.8	30	17	42	140	5
31/32	34	31	18	42	165	5
1	35	32	19	42	165	5
1 1/16	36.5	33	19.5	43	180	5
1 1/8	39	35	20.5	43	210	5
1 3/16	40	36	22	46	222	5
1 1/4	42.8	38	23	46	250	5
1 5/16	44.2	39	24	47	275	5
1 3/8	46.2	40	24	47	317	5
1 7/16	47.2	41	24	47	336	5
1 1/2	49.2	43	24	47	380	5

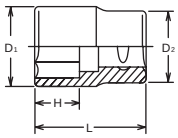
Hand Sockets
Both, 6-pt. and 12-pt. openings, are equipped with Flat Drive Openings, transferring the turning power from the corners on the flanks of nuts and bolts.

Sowohl 6-kant als auch 12-kant Steckschlüssel bieten alle Vorteile der “Flat Drive” Öffnung, die die Greifzonen auf die Flächen von Schrauben und Muttern versetzt.

Aussi bien les douilles 6-pans que 12-pans présentent tous les avantages liés au profil FLATDRIVE qui applique la force de serrage aux faces de la vis ou de l'écrou.

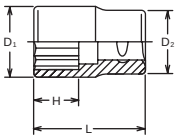
4400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



4405A

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



RS4400A/10	10 Pieces Set/Rail 300mm	(g)
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16		809

RS4405A/10	10 Pieces Set/Rail 300mm	(g)
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16		809

RS4400A/10
RS4405A/10

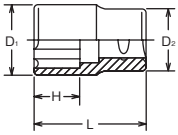
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

	6-Point	12-Point	Surface Drive	Nut Grip®	TORX® (E)	TORXPLUS® (EPL)	Tamper-Resistant TORXPLUS® (EPRL)	Double Square	LHSTIX® (LH-S)
1/4"	No. 2400M/A No. 2300M/A No. 2400W-BA No. 2300W-BA No. 2300X series	No. 2405M/A No. 2305M/A No. AS2405A No. AS2305A series	No. 2410M No. 2310M series	No. 2450MS/AS No. 2350M No. 2350X series	No. 2425 No. 2325 series	—	—	No. 2415M/A series	—
3/8"	No. 3400M/A No. 3300M/A No. 3400W No. 3300W No. 3300X/XA series	No. 3405M/A No. 3305M/A No. 3405W No. 3305W No. 3305X/XA series	No. 3410M No. 3310M series	No. 3450M/A No. 3450MH No. 3350M No. 3350X series	No. 3425 No. 3325 series	—	—	No. 3415M/A series	No. 3400LH series
1/2"	No. 4400M/A No. 4300M/A No. 4400W series	No. 4405M/A No. 4305M/A No. 4405W series	No. 4410M No. 4310M series	No. 4450M series	No. 4425 No. 4325 series	No. 4425-EPL series	No. 4425-EPRL series	—	No. 4400LH series

1/2”

4410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



SURFACE DRIVE

4410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13.2	21	8	36	44	10
9	13.8	21	8.5	37	44	10
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24	23	12.5	37	69	10
18	25	24	13	37	74	10
19	26.5	25	14	38	89	10
20	27.8	26	15	38	92	10
21	29	27	15.5	38	102	10
22	30	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.8	30	17	42	140	5
25	34	31	18	42	164	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	196	5
28	37.8	34	20	43	198	5
29	39	35	20.5	43	190	5
30	40	36	22	46	222	5
31	41.5	37	22.5	46	257	5
32	42.8	38	23	46	250	5
34	45.2	40	24	47	314	5

RS4410M/10

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4410M/10	10 Pieces Set/Rail 300mm	(g)
	10, 11, 12, 13, 14, 15, 17, 19, 21, 22	717

SURFACE DRIVE

Surface drive sockets are designed to retain contact with the flat sides of the nut in order to transmit high torque and reduce nut wear.
These sockets are ideal for using on polished nuts, aluminum nuts and nuts with worn out points.

Das Profil unserer Surface-Drive Steckschlüssel greift die Schraube an deren Flächen. Dies sichert eine höhere Kraftübertragung und verhindert ein Durchrutschen des Steckschlüssels. Diese Steckschlüssel eignen sich besonders für polierte Schrauben, Aluminium Schrauben und Schrauben bei denen die Ecken bereits abgerundet sind.

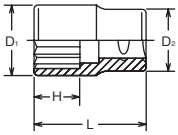
Notre profil Surface Drive assure le contact entre la douille et les plats de l'écrou. Ceci réduit l'usure et permet la transmission d'un couple plus élevé. C'est une solution idéale pour les écrous polies, celles en aluminium ou arrondies.

4400W

6-point Whitworth Sockets
6-kant Steckschlüssel , Whitworth
Douilles à 6-pans Whitworth

4405W

12-point Whitworth Sockets
12-kant Steckschlüssel , Whitworth
Douilles à 12-pans Whitworth



4400W 4405W (W)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/16	16.5	21	9.5	37	46	10
1/4	19	22	10.5	37	54	10
5/16	21.5	22	11.5	37	54	10
3/8	25	24	13	37	73	10
7/16	29	27	15.5	38	87	10
1/2	31.5	29	16.5	40	133	10
9/16	35	32	19	42	165	5
5/8	37.8	34	20	43	191	5
11/16	40	36	22	46	222	5
3/4	44.2	39	24	47	280	5

RS4400W/8
RS4405W/8

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4400W/8	8 Pieces Set/Rail 250mm	(g)
	3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	860

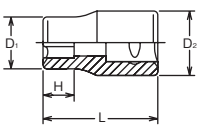
RS4405W/8	8 Pieces Set/Rail 250mm	(g)
	3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	860

BS W

BS・W	BS	3/16BS	1/4BS	5/16BS	3/8BS	7/16BS	1/2BS	9/16BS	5/8BS	11/16BS	3/4BS	7/8BS
	W	1/8W	3/16W	1/4W	5/16W	3/8W	7/16W	1/2W	9/16W	5/8W	11/16W	3/4W
S	(ref. mm)	8.64	11.30	13.34	15.24	18.03	20.83	23.37	25.65	27.94	30.48	33.35

4425-N

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



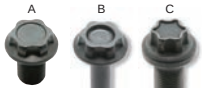
4425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E10N	13.2	21	8.2	36	47	10
E12N	14.6	21	9.3	37	48	10
E14N	16.5	21	10.6	37	50	10
E16N	19	22	11.8	37	60	10
E18N	20.3	22	13	37	60	10
E20N	22.8	22	14.4	37	65	10

TORX Socket for Nut and low profile bolt
TORX-Steckschlüssel für Schrauben mit Flachprofil
Douille TORX pour écrou et boulon à profil bas

Shallow Chamfer on Socket Opening

RS4425/6-N

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail



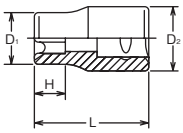
A : Flywheel bolt MR20 NISSAN: 4425-E20N
B : Cam sprocket FA20 for TOYOTA/SUBARU: 4425-E16N
C : Connecting rod bolt FA20 for TOYOTA/SUBARU: 4425-E14N

RS4425/6-N	6 Pieces Set/Rail 200mm	(g)
	E10N, E12N, E14N, E16N, E18N, E20N	370

4425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®

4425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 8	10.7	21	7	36	41	10
E10	13.2	21	8.2	36	44	10
E11	13.8	21	8.7	37	45	10
E12	14.6	21	9.3	37	47	10
E14	16.5	21	10.6	37	48	10
E16	19	22	11.8	37	57	10
E18	20.3	22	13	37	57	10
E20	22.8	22	14.4	37	63	10
E22	25	24	15.5	37	78	10
E24	26.5	25	17	40	95	5

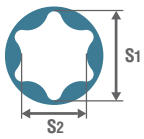


RS4425/7

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4425/7	7 Pieces Set/Rail 200mm	(g)
E10, E12, E14, E16, E18, E20, E24		428

TORX® (E)

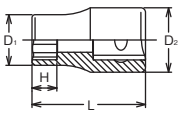


E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

4425 (EPL)

TORXPLUS® Sockets
TORXPLUS® Steckschlüssel
Douilles TORXPLUS®

4425 (EPL)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
10EPL	13.2	21	6.2	36	45	10
12EPL	14.6	21	7.2	37	47	10
14EPL	16.5	21	8.1	37	49	10
16EPL	19	22	9.2	37	60	10
18EPL	20.3	22	10.2	37	60	10
20EPL	22.9	22	11.2	37	65	10

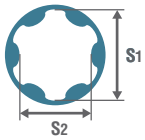


RS4425/6-EPL

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4425/6-EPL	6 Pieces Set/Rail 200mm	(g)
10EPL, 12EPL, 14EPL, 16EPL, 18EPL, 20EPL		390

TORXplus® (EP/EPL)

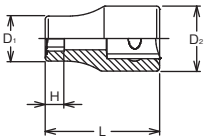


EP/EPL		8EP	10EP	12EP	14EP	16EP	18EP	20EP	22EP	24EP	26EP	28EP	30EP	32EP
S1	(ref. mm)	7.4	9.3	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	5.7	7.1	8.5	9.8	11.2	12.7	14.0	15.4	16.8	18.2	19.6	20.9	22.3

4425 (EPRL)

Tamper-Resistant TORXPLUS® Sockets
Tamper-Resistant TORXPLUS® Steckschlüssel
Douilles Tamper-Resistant TORXPLUS®

4425 (EPRL)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
New **10EPRL**	13.2	21	6.2	36	45	10
New **12EPRL**	14.6	21	7.2	37	47	10
New **14EPRL**	16.5	21	8.1	37	49	10
New **20EPRL**	22.9	22	11.2	37	65	10



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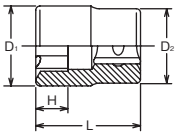
1/2”

4400LH

LHSTIX® Sockets
Steckschlüssel mit LHSTIX® Profil
Douilles au profil LHSTIX®



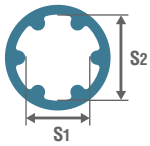
4400LH (LH-S)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
6S	13.2	21	5.6	36	44	10
8S	16.5	21	6.8	37	46	10
10S	19	22	8	37	53	10
12S	22.8	22	9.2	37	62	10
14S	25	24	10.4	37	74	10
16S	29	27	11.6	38	102	10

RS4400LH/6

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4400LH/6	6 Pieces Set/Rail 200mm	(g)
6S, 8S, 10S, 12S, 14S, 16S		430

LHSTIX®

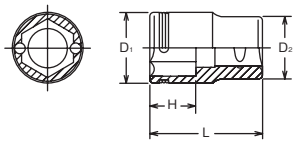


LH-S		LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
S1	(ref. mm)	5.6	6.8	9.0	11.3	13.6	15.8	18.1
S2	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0

4450M

Nut Grip Sockets **Nut Grip®**
Steckschlüssel mit 2-facher Kugelhalterung
Douilles à billes de retenue

NUT GRIP®



4450M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	6	36	44	10
11	16.5	21	6.5	36	46	10
12	17.8	21	7	36	46	10
13	19	22	8	36	52	10
14	20.3	22	8.5	36	54	10
15	21.5	22	9	36	52	10
16	22.8	22	9	36	60	10
17	24	23	9.5	36	68	10
18	25	24	10.5	36	77	10
19	26.5	25	11.5	36	85	10
21	29	27	12	37	110	10
22	30	28	12.5	37	105	10
24	32.8	30	14.5	39	130	5
27	36.5	33	16.5	40	139	5

NUT GRIP®

Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.

Die zwei Kugeln in der 6-kant Öffnung unserer NUT GRIP Steckschlüssel halten die Schraube sicher im Steckschlüssel. Dies erlaubt ein Arbeiten auch an schwer zugänglichen Stellen.

Les 2 billes dans l’ouverture du 6-pans de la douille retiennent l’écrou de manière sûre et efficace.

RS4450M/10

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4450M/10	10 Pieces Set/Rail 300mm	(g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		717

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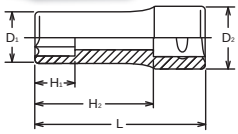
4300M / 4300A

6-point Deep Sockets
6-kant Steckschlüssel, lang
Douilles longues, 6-pans

FLAT DRIVE®



4300M 4305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	13.2	21	9	59	77	76	10
9	13.8	21	10	59	77	82	10
10	15.3	21	11	59	77	82	10
11	16.5	21	12	59	77	86	10
12	17.8	21	13	59	77	92	10
13	19	21.8	14	59	77	106	10
14	20.3	21.8	15	59	77	115	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	139	10
18	25	24	19	59	77	149	10
19	26.5	25	20	58	77	165	10
20	27.8	26	21	58	77	183	10
21	29	27	23	58	77	190	10
22	30	28	27	57	77	200	10
23	31.5	29	27	57	77	233	10
24	32.8	30	27	57	77	249	10
25	34	31	27	57	77	270	10
26	35	32	27	56	77	279	10
27	36.5	33	28	56	77	303	10
28	37.8	34	28	56	77	331	10
29	39	35	28	55	77	357	10
30	40	36	34	55	77	342	10
31	41.5	37	34	55	77	384	10
32	42.8	38	34	55	77	405	10
33	44.2	39	35	54	77	420	5
34	45.2	40	35	54	77	442	5
35	46.2	40	35	53	77	458	5
36	47.2	41	35	53	77	484	5
37	48.2	42	38	53	77	475	5
38	49	44	38	53	77	490	5

RS4300M/10	10 Pieces Set/Rail 300mm	(g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		1,415

RS4305M/10	10 Pieces Set/Rail 300mm	(g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		1,415

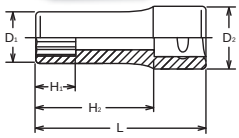
RS4300M /12	12 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22		1,825

RS4300A/10	10 Pieces Set/Rail 300mm	(g)
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16		1,600

RS4305A/10	10 Pieces Set/Rail 300mm	(g)
3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16		1,600

4305M / 4305A

12-point Deep Sockets
12-kant Steckschlüssel, lang
Douilles longues, 12-pans



4300A 4305A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
5/16	13.2	21	9	59	77	76	10
3/8	14.6	21	10	59	77	82	10
7/16	16.5	21	12	59	77	86	10
1/2	19	21.8	14	59	77	106	10
9/16	20.3	21.8	15	59	77	115	10
19/32	21.5	21.8	16	59	77	123	10
5/8	22.8	22	17	59	77	141	10
21/32	24	23	18	59	77	139	10
11/16	25	24	19	59	77	149	10
3/4	26.5	25	20	58	77	165	10
25/32	27.8	26	21	58	77	183	10
13/16	29	27	23	58	77	190	10
7/8	30	28	27	57	77	200	10
15/16	32.8	30	27	57	77	249	10
31/32	34	31	27	57	77	270	10
1	35	32	27	56	77	279	10
1. 1/16	36.5	33	28	56	77	303	10
1. 1/8	37.8	34	28	56	77	331	10
1. 3/16	40	36	34	55	77	342	10
1. 1/4	42.8	38	34	55	77	405	10
1. 5/16	44.2	39	35	54	77	420	5
1. 3/8	46.2	40	35	54	77	422	5
1. 7/16	47.2	41	35	53	77	484	5
1. 1/2	49	44	38	53	77	523	5
1.13/16	59	48	38	51	77	791	2

RS4300M/10
RS4305M/10

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4300M/12

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4300A/10
RS4305A/10

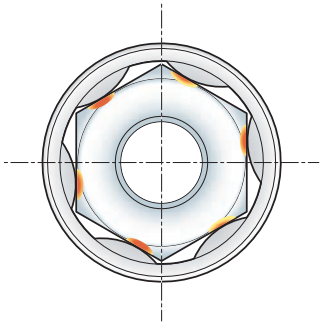
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

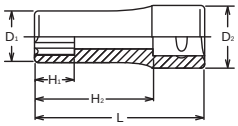
1/2”

4310M

Surface Drive Deep Sockets
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive

SURFACE DRIVE





4310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	13.2	21	9	59	77	79	10
9	13.8	21	10	59	77	82	10
10	15.3	21	11	59	77	82	10
11	16.5	21	12	59	77	86	10
12	17.8	21	13	59	77	92	10
13	19	21.8	14	59	77	106	10
14	20.3	21.8	15	59	77	115	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	139	10
18	25	24	19	59	77	149	10
19	26.5	25	20	58	77	165	10
20	27.8	26	21	58	77	183	10
21	29	27	23	58	77	190	10
22	30	28	27	57	77	200	10
23	31.5	29	27	57	77	233	10
24	32.8	30	27	57	77	249	10
25	34	31	27	57	77	270	10
26	35	32	27	56	77	279	10
27	36.5	33	28	56	77	303	10
28	37.8	34	28	56	77	334	10
29	39	35	28	55	77	357	10
30	40	36	34	55	77	342	10
31	41.5	37	34	55	77	384	10
32	42.8	38	34	55	77	405	10
34	45.2	40	35	54	77	442	5

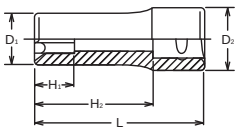
RS4310M/10

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4310M/10	10 Pieces Set/Rail 300mm	(g)
10, 11, 12, 13, 14, 15, 17, 19, 21, 22		1,415

4325

TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®



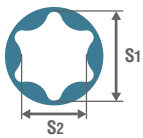
4325 (E)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
E 8	10.7	21	7	59	77	68	10
E10	13.2	21	8.2	59	77	99	10
E11	13.8	21	8.7	59	77	84	10
E12	14.6	21	9.3	59	77	99	10
E14	16.5	21	10.6	59	77	103	10
E16	19	21.8	11.8	59	77	107	10
E18	20.3	21.8	13	59	77	118	10
E20	22.8	22	14.4	59	77	141	10
E22	25	24	15.5	59	77	188	10
E24	26.6	25	17	59	77	215	10

RS4325/7

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4325/7	7 Pieces Set/Rail 200mm	(g)
E10, E12, E14, E16, E18, E20, E24		900

TORX® (E)



E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

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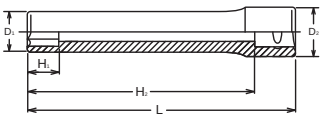
4300M (L120)

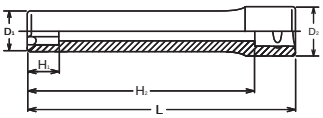
6-point Extra Deep Sockets
6-kant Steckschlüssel,extra lang
Douilles extra longues 6-pans



4300M(L120) (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	13.2	21	9	102	120	120	5
10	15.3	21	11	102	120	138	5
12	17.8	21	13	102	120	157	5
14	20.3	21.8	15	102	120	193	5
16	22.8	22	17	102	120	210	5

4325 (L140)

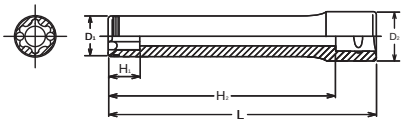
TORX® Extra Deep Sockets
TORX® Steckschlüssel, extra lang
Douilles extra longues TORX®



4325(L140) (E)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
E 8	10.7	21	7	122	140	110	5
E10	13.2	21	8.2	122	140	140	5
E12	14.6	21	9.3	122	140	160	5
E14	16.5	21	10.6	122	140	180	5

4325 (L140)-2B

TORX® Sockets **Nut Grip®**
TORX® Steckschlüssel mit 2-facher Kugelhalterung
Douilles TORX® à deux billes de retenue



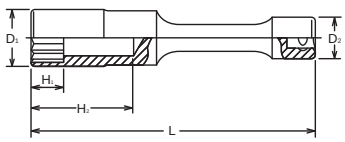
4325(L140) (E)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
E 8(2B)	10.7	21	6.6	122	140	110	5
E10(2B)	13.2	21	7.4	122	140	140	5
E12(2B)	14.6	21	9	122	140	160	5
E14(2B)	16.5	21	9.8	122	140	180	5

For Cylinder head bolt

NUT GRIP®

4117M-125 / -250

Extended Sockets
Schaftsteckschlüssel
Douilles rallongées



4117M-125 (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pce.)
13	18.7	24	13	59	125	213	1
14	20.2	24	14	59	125	227	1
17	24	24	17	59	125	274	1
19	26.9	24	19	59	125	279	1
21	28.5	24	21	59	125	291	1
22	30	24	22	59	125	323	1
24	32	24	24	59	125	361	1
27	36.5	24	27	59	125	439	1
30	40	24	30	59	125	461	1
32	42	24	32	59	125	498	1

4117M-250 (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pce.)
13	18.7	24	13	59	250	412	1
14	20.2	24	14	59	250	423	1
17	24	24	17	59	250	469	1
19	26.9	24	19	59	250	484	1
21	28.5	24	21	59	250	496	1
22	30	24	22	59	250	516	1
24	32	24	24	59	250	560	1
27	36.5	24	27	59	250	641	1
30	40	24	30	59	250	663	1
32	42	24	32	59	250	698	1

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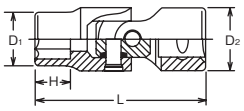
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

1/2”

4440M / 4440A

6-point Universal Sockets
6-kant Gelenk-Einsätze
Douilles articulées, 6-pans

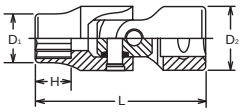


4440A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/8	14.8	25	8.8	63	155	10
7/16	16.5	25	10	65	158	10
1/2	19	25	11.4	66	152	10
9/16	20.3	25	11.4	66	151	10
5/8	22.8	25	13	68	150	10
11/16	24.6	25	14	69	153	10
3/4	26.5	25	15	71	170	10
7/8	30.3	25	16	72	185	5

4440M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
9	14	25	8.3	63	150	10
10	15.3	25	8.8	63	155	10
11	16.5	25	10	65	158	10
12	17.8	25	10.5	65	151	10
13	19	25	11.4	66	152	10
14	20.3	25	11.4	66	151	10
15	21.5	25	13	68	149	10
16	22.8	25	13	68	150	10
17	24	25	14	69	150	10
18	25.3	25	14	69	150	10
19	26.5	25	15	71	170	10
20	27.8	25	15	71	173	5
21	29	25	16	72	176	5
22	30.3	25	16	72	185	5

4445M / 4445A

12-point Universal Sockets
12-kant Gelenk-Einsätze
Douilles articulées, 12-pans

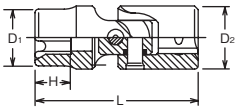


4445A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/8	14.8	25	8.8	63	155	10
7/16	16.5	25	10	65	158	10
1/2	19	25	11.4	66	152	10
9/16	20.3	25	11.4	66	151	10
5/8	22.8	25	13	68	150	10
11/16	24.6	25	14	69	153	10

4445M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	25	8.8	63	155	10
12	17.8	25	10.5	65	151	10
13	19	25	11.4	66	152	10
14	20.3	25	11.4	66	151	10
17	24	25	14	69	150	10
19	26.5	25	15	71	170	10
21	29	25	16	72	176	5
22	30.3	25	16	72	185	5

4440T

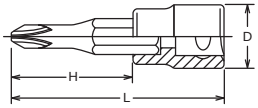
TORX® Universal Sockets
TORX® Gelenk-Einsätze
Douilles articulées, TORX®



4440T (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E10	13.2	25	8.2	62	145	10
E12	15	25	9.3	63	147	10
E14	16.3	25	10.6	65	148	10
E16	18.8	25	11.8	65	150	10
E18	20.4	25	13	67	153	10

4000-60 (PH)

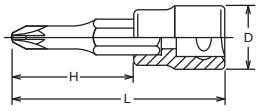
PH Bit Sockets
Steckschlüssel für Kreuzschlitzschrauben, PH
Douilles tournevis pour vis à empreinte PH



4000 (PH)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
2	22	23.5	60	65	10
3	22	23.5	60	65	10
4	22	23.5	60	67	10

4000-60 (PZ)

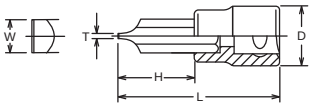
PZ Bit Sockets
Steckschlüssel für Kreuzschlitzschrauben,PZ
Douilles tournevis pour vis à empreinte PZ



4000-60 (PZ)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
PZ2	22	23.5	60	65	10
PZ3	22	23.5	60	65	10

4005-60

Bit Sockets for Slotted Heads
Steckschlüssel für Schlitzschrauben
Douilles tournevis pour vis à fente



4005	T×W (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	1.2× 8	22	23.5	60	65	10
10	1.6×10	22	23.5	60	75	10
12	2.0×12	23	23.5	60	111	10
14	2.5×14	24	23.5	60	133	10
16	2.5×16	24	23.5	60	133	10

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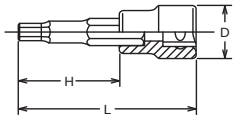
4010M-50 / -75 / -100 / -160
4010A-60

Inhex Bit Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux



4010M-50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	22	13.5	50	61	10
5	22	13.5	50	62	10
6	22	13.5	50	64	10
7	22	13.5	50	65	10
8	22	13.5	50	66	10
9	22	13.5	50	73	10
10	22	13.5	50	75	10
12	23	13.5	50	105	10
13	24	13.5	50	120	10
14	24	13.5	50	120	10
16	25	15	50	150	10
17	25	15	50	150	10
18	27	15	50	200	5
19	27	15	50	200	5

4010M-75 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	22	38.5	75	69	10
5	22	38.5	75	70	10
6	22	38.5	75	72	10
7	22	38.5	75	73	10
8	22	38.5	75	74	10
9	22	38.5	75	90	10
10	22	38.5	75	92	10
12	23	38.5	75	130	10
13	24	38.5	75	150	10
14	24	38.5	75	150	10
16	25	35	75	180	10
17	25	35	75	180	10
18	27	33	75	230	5
19	27	33	75	230	5

4010M-100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	22	63.5	100	77	10
5	22	63.5	100	78	10
6	22	63.5	100	80	10
7	22	63.5	100	82	10
8	22	63.5	100	84	10
9	22	63.5	100	105	10
10	22	63.5	100	109	10
12	23	63.5	100	155	10
13	24	63.5	100	180	5
14	24	63.5	100	180	5
16	25	60	100	250	5
17	25	60	100	250	5
18	27	58	100	300	5
19	27	58	100	300	5

4010M-160 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	22	123.5	160	103	10
5	22	123.5	160	104	10
6	22	123.5	160	106	10
7	22	123.5	160	108	10
8	22	123.5	160	110	10
10	22	123.5	160	126	10
12	23	123.5	160	180	5
14	24	123.5	160	260	5
17	25	120	160	360	5
19	27	118	160	415	5

4010A-60 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/32	22	23.5	60	57	10
3/16	22	23.5	60	57	10
7/32	22	23.5	60	59	10
1/4	22	23.5	60	63	10
9/32	22	23.5	60	65	10
5/16	22	23.5	60	67	10
11/32	22	23.5	60	75	10
3/8	22	23.5	60	76	10
7/16	23	23.5	60	101	10
1/2	24	23.5	60	124	10
9/16	25	20	60	127	10
5/8	25	20	60	174	10
3/4	27	18	60	220	5

RS4010M/10-L50	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		968

RS4010M/10-L75	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		1,207

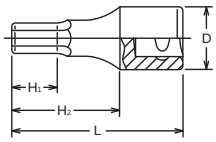
RS4010A/10-L60	10 Pieces Set/Rail 300mm	(g)
3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4		1,080

RS4010M/10-L50
RS4010M/10-L75
RS4010A/10-L60

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

4012M-43 / -60 / -75 / -100

Inhex Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux



4012M-43 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
4	21.1	11.5	23	43	40	10
5	21.1	11.5	23	43	46	10
6	21.1	11.5	23	43	42	10
7	21.1	11.5	23	43	46	10
8	21.1	11.5	23	43	49	10
9	21.1	11.5	23	43	63	10
10	23	11.5	23	43	63	10
11	25	11.5	23	43	74	10
12	25	11.5	23	43	81	10
13	25	11.5	23	43	85	10
14	25	11.5	23	43	88	10
15	26	11.5	23	43	91	10
16	26	11.5	23	43	100	10
17	26	11.5	23	43	101	10
18	26	11.5	23	43	106	10
19	26	11.5	23	43	110	10
20	26	11.5	23	43	130	10
21	26	11.5	23	43	140	10
22	26	11.5	23	43	145	10
23	28	11.5	23	43	167	10
24	28	11.5	23	43	170	10
27	32	11.5	23	43	226	10

4012M-60 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
4	21.1	15.5	38	60	49	10
5	21.1	15.5	38	60	55	10
6	21.1	15.5	38	60	56	10
7	21.1	15.5	38	60	60	10
8	21.1	15.5	38	60	64	10
9	21.1	15.5	38	60	78	10
10	23	15.5	38	60	78	10
11	25	15.5	38	60	100	10
12	25	15.5	38	60	107	10
13	25	15.5	38	60	111	10
14	25	15.5	38	60	122	10
15	26	15.5	38	60	125	10
16	26	15.5	38	60	134	10
17	26	15.5	38	60	141	10
18	26	15.5	38	60	153	10
19	26	15.5	38	60	159	10
21	26	15.5	38	60	197	10
22	26	22.5	38	60	205	10
23	28	22.5	38	60	242	10
24	28	22.5	38	60	245	10

4012M-75 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
4	21.1	15.5	53	75	52	10
5	21.1	15.5	53	75	58	10
6	21.1	15.5	53	75	62	10
7	21.1	15.5	53	75	70	10
8	21.1	15.5	53	75	74	10
9	21.1	15.5	53	75	88	10
10	23	15.5	53	75	94	10
11	25	15.5	53	75	119	10
12	25	15.5	53	75	122	10
13	25	15.5	53	75	137	10
14	25	15.5	53	75	148	10
15	26	15.5	53	75	151	10
16	26	15.5	53	75	171	10
17	26	15.5	53	75	184	10
18	26	15.5	53	75	196	10
19	26	15.5	53	75	212	10
22	26	22.5	53	75	266	10
24	27.9	22.5	53	75	315	10

4012M-100 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
4	24	15.5	78	100	75	10
5	24	15.5	78	100	81	10
6	24	15.5	78	100	85	10
7	24	15.5	78	100	93	10
8	24	15.5	78	100	97	10
9	24	15.5	78	100	111	10
10	24	15.5	78	100	117	10
11	24	15.5	78	100	142	10
12	24	15.5	78	100	143	10
13	24	15.5	78	100	158	10
14	24	15.5	78	100	169	10
15	24	15.5	78	100	172	10
16	24	15.5	78	100	192	5
17	24	15.5	78	100	215	5
18	24	15.5	78	100	227	5
19	24	15.5	78	100	243	5

RS4012M/10-L60

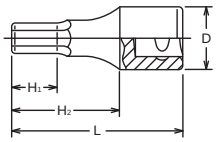
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4012M/10-L60	10 Pieces set/Rail 300mm	(g)
	4, 5, 6, 7, 8, 10, 12, 14, 17, 19	910

4012M/A are for hand use only.
Do not use with a power or impact wrench.
Nicht auf Maschinenschraubern verwenden.
À ne pas utiliser sur des machines

4012A-43 / -60 / -75 / -100

Inhex Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux



4012A-43 (inch)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
5/32	21.1	11.5	23	43	40	10
3/16	21.1	11.5	23	43	46	10
7/32	21.1	11.5	23	43	42	10
1/4	21.1	11.5	23	43	43	10
9/32	21.1	11.5	23	43	46	10
5/16	21.1	11.5	23	43	49	10
11/32	21.1	11.5	23	43	63	10
3/8	23	11.5	23	43	59	10
7/16	25	11.5	23	43	74	10
1/2	25	11.5	23	43	85	10
9/16	25	11.5	23	43	88	10
5/8	26	11.5	23	43	100	10
3/4	26	11.5	23	43	110	10
7/8	26	11.5	23	43	141	10

4012A-60 (inch)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
5/32	21.1	15.5	38	60	49	10
3/16	21.1	15.5	38	60	55	10
7/32	21.1	15.5	38	60	56	10
1/4	21.1	15.5	38	60	57	10
9/32	21.1	15.5	38	60	60	10
5/16	21.1	15.5	38	60	64	10
11/32	21.1	15.5	38	60	78	10
3/8	23	15.5	38	60	74	10
7/16	25	15.5	38	60	100	10
1/2	25	15.5	38	60	111	10
9/16	25	15.5	38	60	122	10
5/8	26	15.5	38	60	134	10
3/4	26	15.5	38	60	159	10
7/8	26	22.5	38	60	202	10

4012A-75 (inch)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
5/32	21.1	15.5	53	75	52	10
3/16	21.1	15.5	53	75	58	10
7/32	21.1	15.5	53	75	62	10
1/4	21.1	15.5	53	75	65	10
9/32	21.1	15.5	53	75	70	10
5/16	21.1	15.5	53	75	74	10
11/32	21.1	15.5	53	75	88	10
3/8	23	15.5	53	75	86	10
7/16	25	15.5	53	75	119	10
1/2	25	15.5	53	75	137	10
9/16	25	15.5	53	75	148	10
5/8	26	15.5	53	75	171	10
3/4	26	15.5	53	75	212	10
7/8	26	22.5	53	75	262	10

4012A-100 (inch)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
5/32	24	15.5	78	100	75	10
3/16	24	15.5	78	100	81	10
7/32	24	15.5	78	100	85	10
1/4	24	15.5	78	100	88	10
9/32	24	15.5	78	100	93	10
5/16	24	15.5	78	100	97	10
11/32	24	15.5	78	100	111	10
3/8	24	15.5	78	100	109	10
7/16	24	15.5	78	100	142	10
1/2	24	15.5	78	100	158	10
9/16	24	15.5	78	100	169	10
5/8	24	15.5	78	100	192	5
3/4	24	15.5	78	100	243	5

RS4012A/10-L60

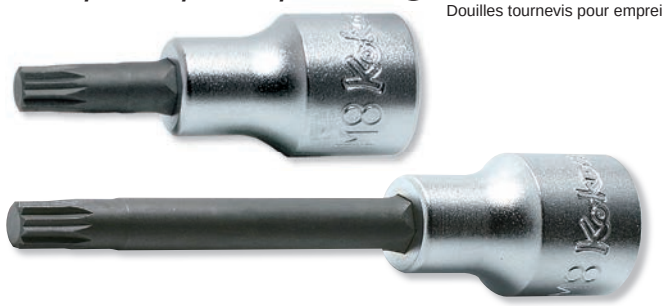
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

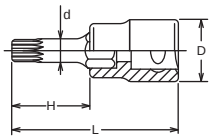
RS4012A/10-L60	10 Pieces set/Rail 300mm	(g)
3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4		950

4012M/A are for hand use only.
Do not use with a power or impact wrench.
Nicht auf Maschinenschraubern verwenden.
À ne pas utiliser sur des machines

4020-60 / -100 / -120 / -140

XZN Bit Sockets
Steckschlüssel für XZN Schrauben
Douilles tournevis pour empreinte XZN





4020-60 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	7.8	23.5	60	60	10
M 6	22	7.8	23.5	60	61	10
M 8	22	7.8	23.5	60	63	10
M10	23	11.9	23.5	60	93	10
M12	23	11.9	23.5	60	97	10
M14	24	13.9	23.5	60	105	10
M16	25	16.9	20	60	165	10
M18	25	17.9	20	60	170	10

4020-100 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	7.8	63.5	100	77	10
M 6	22	7.8	63.5	100	78	10
M 8	22	7.8	63.5	100	80	10
M10	23	11.9	63.5	100	132	10
M12	23	11.9	63.5	100	136	10
M14	24	13.9	63.5	100	144	5
M16	25	16.9	60	100	250	5
M18	27	17.9	60	100	300	5

4020-120 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	7.8	83.5	120	86	10
M 6	22	7.8	83.5	120	87	10
M 8	22	7.8	83.5	120	89	10
M10	23	11.9	83.5	120	152	10
M12	23	11.9	83.5	120	156	10
M14	24	13.9	83.5	120	164	5

4020-140 (XZN)	D (mm)	d (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	7.8	103.5	140	95	10
M 6	22	7.8	103.5	140	96	10
M 8	22	7.8	103.5	140	98	10
M10	23	11.9	103.5	140	172	5
M12	23	11.9	103.5	140	176	5
M14	24	13.9	103.5	140	184	5

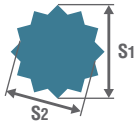
RS4020/6-L60
RS4020/6-L100

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4020/6-L60	6 Pieces Set/Rail 150mm	(g)
M5, M6, M8, M10, M12, M14		500

RS4020/6-L100	6 Pieces Set/Rail 150mm	(g)
M5, M6, M8, M10, M12, M14		680

XZN

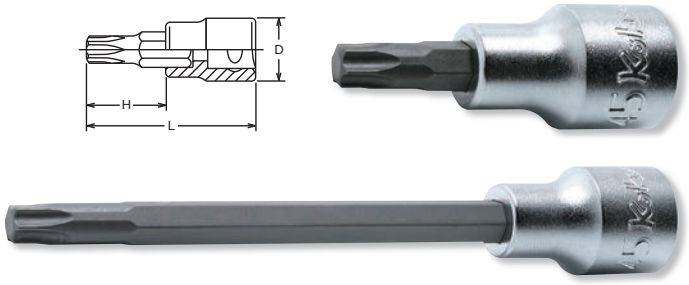


XZN		M4	M5	M6	M8	M10	M12	M14	M16	M18
S_1	(ref. mm)	3.6	4.8	6.1	7.3	9.7	11.5	13.3	15.7	16.9
S_2	(ref. mm)	3.1	4.1	5.1	6.1	8.1	9.7	11.2	13.2	14.2

	PH	PZ	Slotted	HEX	HEX (ball point)	Triple Square (XZN)	TORX® (T)	TORX® (TH)	TORXplus® (IP)	TORXplus® (IPR)	Ribe-CV
1/4"	No.2000 series	No.2000(PZ) series	No.2005 series	No.2010M/A series	No.2011M series	No.2020 series	No.2025 series	No.2025(TH) series	No.2025(IP) series	No.2025(IPR) series	—
3/8"	No.3000 series	No.3000(PZ) series	No.3005 series	No.3010M/A No.3012M/A No.3015M series	No.3011M series	No.3020 series	No.3025 series	No.3025(TH) series	No.3025(IP) series	No.3025(IPR) series	No.3027 series
1/2"	No.4000 series	No.4000(PZ) series	No.4005 series	No.4010M/A No.4012M/A series	—	No.4020 series	No.4025 series	—	No.4025(IP) series	—	No.4027 series

4025-60 / -100 / -140 (T)

TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis,TORX®



4025-60 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T15	22	23.5	60	58	10
T20	22	23.5	60	59	10
T25	22	23.5	60	60	10
T27	22	23.5	60	60	10
T30	22	23.5	60	60	10
T40	22	23.5	60	62	10
T45	22	23.5	60	64	10
T50	22	23.5	60	74	10
T55	23	23.5	60	96	10
T60	24	23.5	60	122	10
T70	24	23.5	60	135	10
T80	24	20	60	168	10

4025-100 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T20	22	73.5	100	76	10
T25	22	73.5	100	76	10
T27	22	73.5	100	77	10
T30	22	73.5	100	77	10
T40	22	73.5	100	78	10
T45	22	73.5	100	80	10
T50	22	73.5	100	98	10
T55	23	73.5	100	132	10
T60	24	73.5	100	170	5
T70	24	73.5	100	175	5

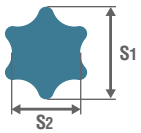
4025-140 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T20	22	103.5	140	94	10
T25	22	103.5	140	95	10
T27	22	103.5	140	95	10
T30	22	103.5	140	95	10
T40	22	103.5	140	97	10
T45	22	103.5	140	99	10
T50	22	103.5	140	129	10
T55	23	103.5	140	175	5
T60	24	103.5	140	229	5
T70	24	103.5	140	245	5
T80	24	100	140	320	5

RS4025/9-L60

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4025/9-L60	9 Pieces Set/Rail 250mm	(g)
T20, T25, T27, T30, T40, T45, T50, T55, T60		700

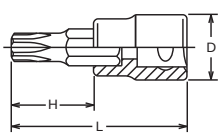
TORX®
(T)



T		T8	T9	T10	T15	T20	T25	T27	T30	T40	T45	T50	T55	T60	T70	T80	T90	T100
S1	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6	17.6	20.0	22.2
S2	(ref. mm)	1.7	1.8	2.0	2.3	2.8	3.2	3.6	4.0	4.8	5.6	6.2	8.0	9.5	11.1	12.7	14.2	15.8

4025-60-T35

Bit Socket
Bit-Steckschlüssel
Douille tournevis



4025-60	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
T35	22	23.5	60	96	10

For T35 Special screws

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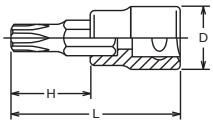
4025-60 / -100 (IP)

TORXPLUS® Bit Sockets
TORXPLUS® Bit-Steckschlüssel
Douilles tournevis,TORXPLUS®

TORXplus®



4025-60 (IP)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
20IP	22	23.5	60	60	10
25IP	22	23.5	60	60	10
27IP	22	23.5	60	60	10
30IP	22	23.5	60	60	10
40IP	22	23.5	60	60	10
45IP	22	23.5	60	64	10
50IP	22	23.5	60	74	10
55IP	23	23.5	60	96	10
60IP	24	23.5	60	122	10
70IP	24	23.5	60	170	10

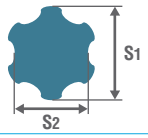
4025-100 (IP)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
40IP	22	63.5	100	79	10
45IP	22	63.5	100	81	10
50IP	22	63.5	100	100	10
55IP	23	63.5	100	133	10
60IP	24	63.5	100	172	5
70IP	25	63.5	100	241	5

RS4025/9-IP

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4025/9-IP	9 Pieces set/Rail 250mm	(g)
20IP, 25IP, 27IP, 30IP, 40IP, 45IP, 50IP, 55IP, 60IP		700

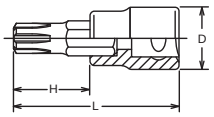
TORXPLUS® (IP)



IP		8IP	9IP	10IP	15IP	20IP	25IP	27IP	30IP	40IP	45IP	50IP	55IP	60IP	70IP
S_1	(ref. mm)	2.3	2.5	2.7	3.3	3.9	4.5	5.0	5.6	6.7	7.9	8.9	11.3	13.3	15.6
S_2	(ref. mm)	1.8	1.9	2.1	2.5	3.0	3.4	3.9	4.3	5.2	6.2	6.9	9.0	10.4	12.3

4027-60 / -100 / -140

Bit Sockets for Ribe Screws
Steckschlüsselklingen für Ribe Schrauben
Douilles tournevis pour écrous profil Ribe



4027-60	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	23.5	60	60	10
M 6	22	23.5	60	62	10
M 7	22	23.5	60	63	10
M 8	22	23.5	60	64	10
M 9	22	23.5	60	70	10
M10	22	23.5	60	74	10
M12	23	23.5	60	96	10
M13	24	23.5	60	116	10
M14	24	23.5	60	122	10
M16	24	25	60	135	10

4027-100	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 5	22	63.5	100	67	10
M 6	22	63.5	100	68	10
M 7	22	63.5	100	75	10
M 8	22	63.5	100	81	10
M 9	22	63.5	100	90	10
M10	22	63.5	100	101	10
M12	23	63.5	100	134	10
M13	24	63.5	100	155	5
M14	24	63.5	100	173	5
M16	24	60	100	241	5

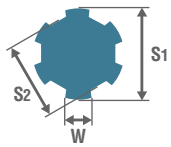
4027-140	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
M 8	22	103.5	140	98	10
M10	22	103.5	140	127	10
M12	23	103.5	140	171	5
M14	24	103.5	140	226	5
M16	24	100	140	320	5

RS4027/7-L60

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4027/7-L60	7 Pieces set/Rail 200mm	(g)
M5, M6, M8, M10, M12, M14, M16		600

Ribe CV



CV		M5	M6	M7	M8	M9	M10	M12	M13	M14	M16
W	(ref. mm)	1.2	1.3	1.4	1.8	2.0	2.3	2.6	3.1	3.2	3.6
S_1	(ref. mm)	5.0	6.0	7.0	8.0	9.0	10.0	12.0	13.0	14.0	16.0
S_2	(ref. mm)	3.8	4.5	5.0	6.0	7.1	7.4	9.0	11.0	10.4	11.9

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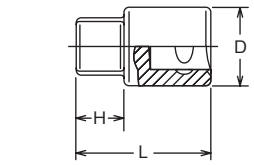
4110M / 4110A

4-point Male Sockets
Öldienst-Steckschlüssel, Vierkant
Douilles mâles 4-pans

4110M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	24	10	32	57	10
10	24	10	32	62	10
10.5	24	10	32	64	10
12	24	10	32	64	10
13	24	10	32	66	10
13.5	24	10	32	67	10
New **14**	24.2	10	32	68	10
19	25	15	37	101	10
20	26	15	37	114	10

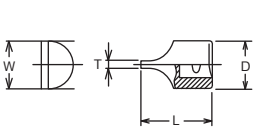
4110A (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/8	24	10	32	62	10
1/2	24	10	32	64	10



4101

Sockets for Slotted Heads
Steckschlüssel für Schlitzschrauben
Douilles tournevis pour vis à fente

4101	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
1	2.7×18.6	22	40	59	10
2	3.7×24	24	40	79	10
3	3.7×30	30	40	128	10

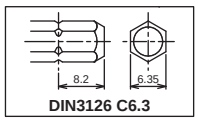


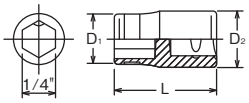
4137

Bit Holder
Klingenhalter
Porte-embouts

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)
4137	13	22	38	53	10

For DIN3126 C6.3 Bits
Für DIN3126 C6.3 Bits
Pour DIN3126 C6.3 Embouts



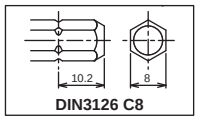


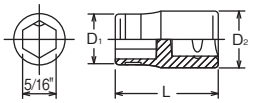
4138

Bit Holder
Klingenhalter
Porte-embouts

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)
4138	16	22	38	62	10

For DIN3126 C8 Bits
Für DIN3126 C8 Bits
Pour DIN3126 C8 Embouts





1/2”

3749S-1/2

Reversible Ratchet Short
Knarre, verstellbar
Cliquet, réversible

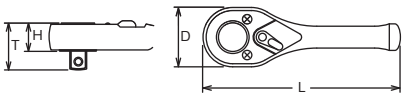
RATCHET HANDLE

SODH-System | Two-Step Dog | 24

* Renewal Kits → 3749SRK-1/2 ➔P318

3749SB-1/2

Reversible Ratchet short with quick release button
Knarre, verstellbar mit Entriegelungsknopf
Cliquet, réversible avec bouton de débrayage



SODH-System | Two-Step Dog | 24 | push Quick Release

* Renewal Kits → 3749SBRK-1/2 ➔P318

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pcs.)
3749S-1/2	34	29	14.4	110	200	5
3749SB-1/2	34	29	14.4	110	200	5

Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

Die Umschaltknarre mit Entriegelungsknopf hat aufgrund der technischen Konstruktion eine geringere Festigkeit als eine normale Ratsche. Stellen Sie sicher, dass Sie die Ratsche richtig verwenden.

Le cliquet réversible avec bouton de libération rapide a une résistance moindre que le cliquet normal en raison de sa conception technique. Veillez à utiliser le cliquet correctement.

4752J

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

L/R Marking | 45

* Renewal Kits → 4752RK ➔P319

[L/R Marking]

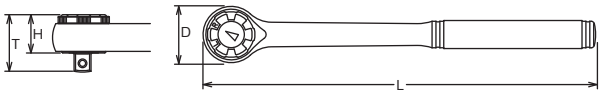
A pointer and L/R markings on the ratchet head Indicate the turning direction.
The reduced diameter of the head allows easier access in tight spots.

Eine L/R Markierung auf dem Knarrenkopf zeigt die gerade eingestellte Drehrichtung an. Der geringe Kopfdurchmesser erleichtert das Arbeiten auch an schwer zugänglichen Stellen.

Un marquage L/R sur la tête de cliquet indique le sens de rotation.
Le diamètre de tête réduit et facilite le travail dans les endroits difficilement accessibles.

4752N

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4752J	35	38.8	24.5	250	470	1
4752N	35	38.8	24.5	250	480	1

GEAR TEETH

24	24	30	45	24
4749series	4753series	4750series	4752series	4774series

4750J

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

* Renewal Kits → **4750RK** ➔P318

4750P

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

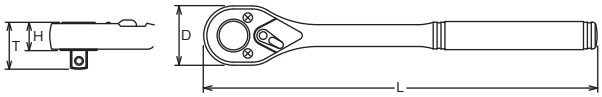
* Renewal Kits → **4750RK** ➔P318

4750N

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

* Renewal Kits → **4750RK** ➔P318

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4750J	38	35.9	21.3	250	508	1
4750P	38	35.9	21.3	250	553	1
4750N	38	35.9	21.3	250	548	1

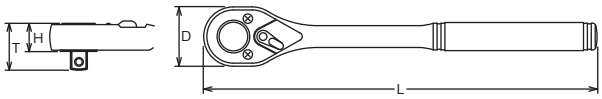


* Renewal Kits → **4750BRK** ➔P318

4750JB
4750PB
4750NB

Reversible Ratchet with quick release button
Knarre, verstellbar mit Entriegelungsknopf
Cliquet, réversible avec bouton de débrayage

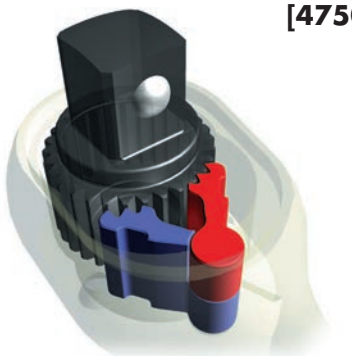
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4750JB	38	35.9	21.3	250	508	1
4750PB	38	35.9	21.3	250	553	1
4750NB	38	35.9	21.3	250	548	1



Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

Die Umschaltknarre mit Entriegelungsknopf hat aufgrund der technischen Konstruktion eine geringere Festigkeit als eine normale Ratsche. Stellen Sie sicher, dass Sie die Ratsche richtig verwenden.

Le cliquet réversible avec bouton de libération rapide a une résistance moindre que le cliquet normal en raison de sa conception technique. Veillez à utiliser le cliquet correctement.



[4750 series]

Two dogs are set in the same axis and the three teeth hold the ratchet gear.
The enlarged contact area produces an about 10% higher torque value and the S.O.D.H system provides smooth and light movements.

Die scharnierartig eingelagerten Sperrklinken haben jetzt jeweils drei Zähne im Eingriff. Die dadurch vergrösserte Greiffläche erhöht das maximale Drehmoment um ca. 10%. Auch diese Knarre besticht durch ihren leichten und geschmeidigen Lauf.

Les deux rochets étant placés sur le même axe, les trois dents de l'engrenage sont engagées en permanence. Ce système assure une augmentation de 10% du couple maximum admissible. Ce cliquet se caractérise également par son fonctionnement souple et sans à-coup.

1/2”

4753J

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

SODH-System · 2 Two-Step Dog · 24

* Renewal Kits → 4753RK ➔P318

4753P

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

SODH-System · 2 Two-Step Dog · 24

* Renewal Kits → 4753RK ➔P318

4753N

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

SODH-System · 2 Two-Step Dog · 24

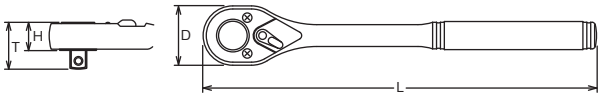
* Renewal Kits → 4753RK ➔P318

D4753J

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

SODH-System · 2 Two-Step Dog · 24

* Renewal Kits → 4753RK ➔P318



Special ratchet, surface phosphatised, no chrome flaking possible
Sonderknarre Oberfläche phosphatiert, keine Chromabplatzungen möglich
Cliquet spécial surface phosphatée, pas d'écaillage du chrome possible

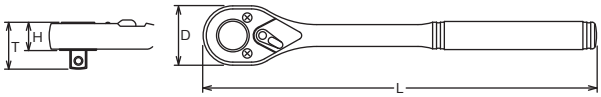
	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4753J	38	36.2	21.6	250	545	1
4753P	38	36.2	21.6	250	570	1
4753N	38	36.2	21.6	250	595	1
D4753J	38	36.2	21.6	250	510	1

4753JB
4753PB
4753NB

Reversible Ratchet with quick release button
Knarre, verstellbar mit Entriegelungsknopf
Cliquet, réversible avec bouton de débrayage

SODH-System · 2 Two-Step Dog · 24 · push Quick Release

* Renewal Kits → 4753BRK ➔P318

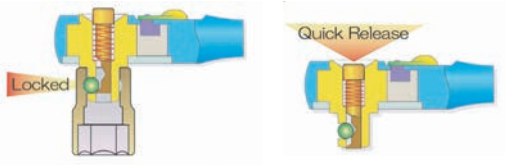


	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4753JB	38	36.2	21.6	250	545	1
4753PB	38	36.2	21.6	250	570	1
4753NB	38	36.2	21.6	250	595	1

Reversible Ratchet with Quick Release Button :
Sockets and accessories are safely locked. By pushing the button the sockets or extension bars are released from the ratchet.

Umstellbare Knarre mit Entriegelungsknopf :
Steckschlüssel und Zubehörteile werden sicher und fest gehalten. Bei Drücken des Knopfes lösen sich die Teile.

Cliquet réversible avec bouton de débrayage :
Les douilles et accessoires ne peuvent plus tomber. Une pression du pouce sur le bouton suffit pour les libérer.



⚠ Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

Die Umschaltknarre mit Entriegelungsknopf hat aufgrund der technischen Konstruktion eine geringere Festigkeit als eine normale Ratsche. Stellen Sie sicher, dass Sie die Ratsche richtig verwenden.

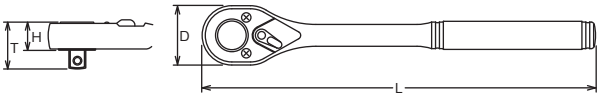
Le cliquet réversible avec bouton de libération rapide a une résistance moindre que le cliquet normal en raison de sa conception technique. Veillez à utiliser le cliquet correctement.

4749J-380
4749N-380

Reversible Ratchet (long)
Verstellbare Knarre, lang
Cliquet réversible, long

* Renewal Kits → 4749RK ➡P318

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4749J-380	44.6	33	18.4	380	743	1
4749N-380	44.6	33	18.4	380	753	1



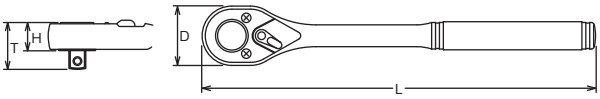
4753P-410

Reversible Ratchet (long)
Verstellbare Knarre, lang
Cliquet réversible, long

* Renewal Kits → 4753RK ➡P318

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4753P-410	38	36.2	21.6	410	790	1

⚠ 4753P-410 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

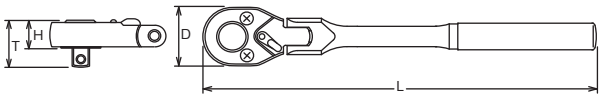


4774J
4774P
4774N

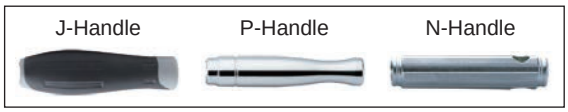
Flexible Ratchet, reversible
Gelenk-Knarre, verstellbar
Cliquet, articulé, réversible

* Renewal Kits → 4753RK ➡P318

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4774J	38	36.2	21.6	330	685	1
4774P	38	36.2	21.6	330	700	1
4774N	38	36.2	21.6	330	700	1



GRIP VARIATION



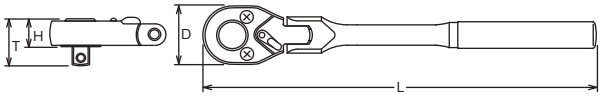
4774P-450

Flexible Ratchet (long), reversible
Gelenk-Knarre lang, verstellbar
Cliquet articulé long, réversible

* Renewal Kits → 4753RK ➡P318

	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4774P-450	38	36.2	21.6	450	790	1

⚠ 4774P-450 has longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.



1/2”

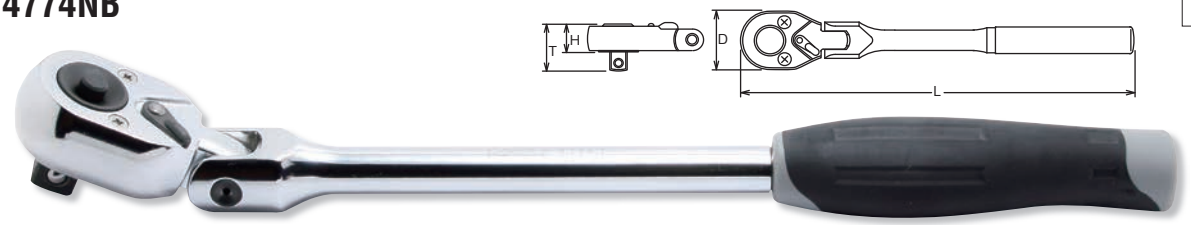
4774JB
4774PB
4774NB

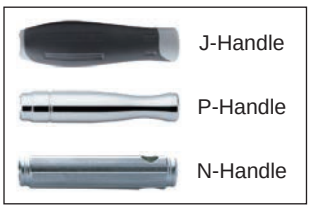
Flexible Ratchet, reversible with quick release button
Gelenk-Knarre, verstellbar mit Entriegelungsknopf
Cliquet, articulé, réversible avec bouton de débrayage

SDDH-System | Two-Step Dog | 24 | Quick Release | Flexible Head | OVAL Shank

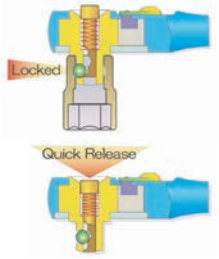
OVAL SHAPE SHANK

* Renewal Kits → 4753BRK P318





GRIP VARIATION



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
4774JB	38	36.2	21.6	330	685	1
4774PB	38	36.2	21.6	330	700	1
4774NB	38	36.2	21.6	330	700	1

Reversible Ratchet with Quick Release Button :
Sockets and accessories are safely locked. By pushing the button the sockets or extension bars are released from the ratchet.

Umstellbare Knarre mit Entriegelungsknopf :
Steckschlüssel und Zubehörteile werden sicher und fest gehalten. Bei Drücken des Knopfes lösen sich die Teile.

Cliquet réversible avec bouton de débrayage :
Les douilles et accessoires ne peuvent plus se libérer. Une pression du pouce sur le bouton suffit pour les extraire.

Reversible Ratchet with quick release button has less strength compared with normal ratchet due to the technical design. Make sure to use the ratchet correctly.

Die Umschaltknarre mit Entriegelungsknopf hat aufgrund der technischen Konstruktion eine geringere Festigkeit als eine normale Ratsche. Stellen Sie sicher, dass Sie die Ratsche richtig verwenden.

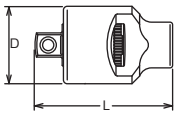
Le cliquet réversible avec bouton de libération rapide a une résistance moindre que le cliquet normal en raison de sa conception technique. Veillez à utiliser le cliquet correctement.

4755

Ratchet Adaptor
Aufsteckknarre
Cliquet adaptable

45

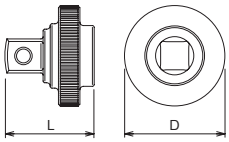
* Renewal Kits → 4755RK P319



	D (mm)	L (mm)	(g)	(pcs.)
4755	33.5	65	270	5

4756

Quick Spinner
Rändel-Drehscheibe
Lanceur



	D (mm)	L (mm)	(g)	(pcs.)
4756	38	34.5	95	10

4768J-380 / -450 / -600

Hinge Handles
Gelenkgriffe
Poignées articulées

OVAL Shank

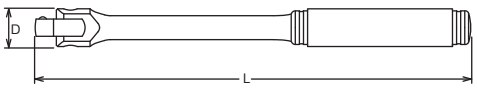
* Renewal Kits → 4768RK P321

OVAL SHAPE SHANK

RENEWAL KIT FOR HINGE HANDLE

4768P-380 / -450 / -600

Hinge Handles
Gelenkgriffe
Poignées articulées



OVAL Shank

* Renewal Kits → 4768RK P321

4768-450/600 have longer handle than standard, and can be loaded to excessive torque value. Please use carefully.

Der 4768-450 und 4768-600 hat einen längeren Griff als die Standardausführung und kann mit einem zu hohen Drehmoment belastet werden. Bitte vorsichtig verwenden.

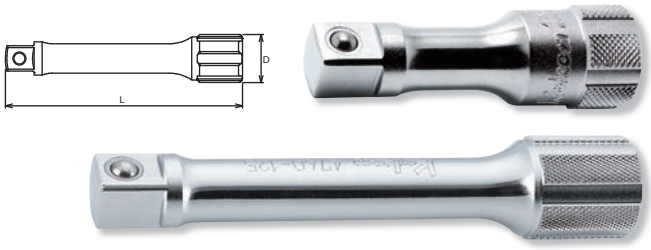
Dû au fait que les manches des 4768-450 et 4768-600 sont plus longues que le standard, il y a risque d' une surcharge excessive lors du serrage. Pour éviter casse et blessure, veuillez serrer d' une façon régulière et progressive.

	D (mm)	L (mm)	(g)	(pcs.)
4768J-380	28	380	600	1
4768J-450	28	450	690	1
4768J-600	28	600	1120	1
4768P-380	28	380	665	2
4768P-450	28	450	748	2
4768P-600	28	600	1170	1

4760

Extension Bars
Verlängerungen
Rallonges

	D (mm)	L (mm)	(g)	(pcs.)
4760-35	24	35	56	10
4760-50	24	50	92	10
4760-75	24	75	138	10
4760-100	24	100	158	5
4760-125	24	125	194	5
4760-150	24	150	266	5
4760-200	24	200	295	5
4760-250	24	250	358	5
4760-300	24	300	492	2
4760-400	24	400	650	1
4760-500	24	500	808	1
4760-600	24	600	968	1
4760-900	24	900	1430	1
4760-1000	24	1000	1593	1

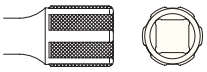


PK4760/5

Extension Bars in Plastic Box
Verlängerungen in Kunststoff-Kassette
Rallonges en boîte plastique

PK4760/5 — 5 Pieces Set/⚖=1,050g
PLASTIC TRAY
Extension Bars
4760 Extension Bars
50, 75, 125, 150, 250

Rotation and general handling of extensions with oily hands is greatly improved with the Koken developed 6 point knurling. Also the Koken 6 point knurling stops the extensions from rolling around the work area.



Durch die von Koken entwickelte 6 fache Rändelung wird die Handhabung deutlich erleichtert. Außerdem wird das Herumrollen der Verlängerungen wirksam verhindert.

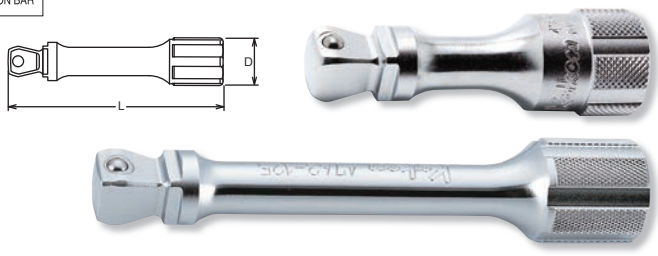
La manipulation des rallonges est grandement facilitée par le profil moleté développé par Koken. Ce même profile empêche le roulement intempestif des rallonges sur le plan de travail.

4763

Wobble-Fix Extension Bars
Winkel-Verlängerungen
Rallonges angulaires

WOBBLE-FIX EXTENSION BAR

	D (mm)	L (mm)	(g)	(pcs.)
4763-50	24	50	95	10
4763-75	24	75	111	10
4763-125	24	125	157	5
4763-150	24	150	181	5
4763-250	24	250	357	5
New **4763-300**	24	300	480	2
4763-400	24	400	650	1



The Wobble-Fix Extension Bar has less strength than normal extension bar due to it's specific design with a reduced square drive. Make sure to use it correctly.

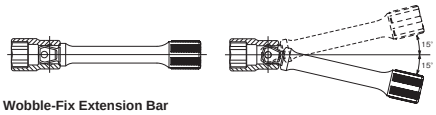
Die Wobble-Fix Verlängerungen haben aufgrund ihrer speziellen Konstruktion mit einem reduzierten Vierkantantrieb eine geringere Festigkeit als eine normale Verlängerung. Achten Sie darauf, sie richtig zu verwenden.

La barre d’extension angulaire est moins résistante qu’une barre d’extension normale en raison de sa conception spécifique avec un carré d’entraînement réduit. Veuillez l’utiliser correctement.

PK4763/5

Wobble-Flx Extension Bars in Plastic Box
Winkel Verlängerungen in Kunststoff-Kassette
Rallonges angulaires en boîte plastique

PK4763/5 — 5 Pieces Set/⚖=950g
PLASTIC TRAY
Extension Bars
4763 Wobble-Fix Extension Bars
50, 75, 125, 150, 250



Wobble-Fix Extension Bar
Two way usage
a) In a fixed position, as a normal extension bar
b) In a half-fixed position, as a flexible extension bar providing a 15° angle operation

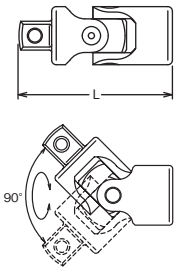
Winkel-Verlängerungen
Winkelverlängerungen lassen sich in zwei Einstellungen verwenden
a) voll eingesteckt und starr,
b) halb eingesteckt, mit elnem Arbeitswinkel von 15°.

Rallonges angulaires
Deux utilisations possibles
a) comme rallonge normale, dans une position fixe
b) comme une rallonge angulaire avec une possibilité d’inclinaison jusqu’à 15°

1/2”

4770

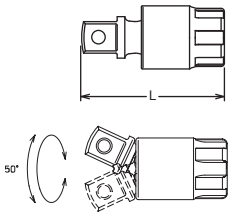
Universal Joint
Gelenk-Einsatz
Cardan universel



	L (mm)	(g)	(pcs.)
4770	62.4	150	10

4771

Universal Joint
Gelenk-Einsatz
Joint articulé

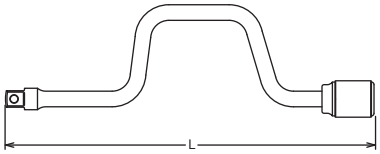


UNIVERSAL JOINT

	L (mm)	(g)	(pcs.)
4771	57.7	113	10

4780-400

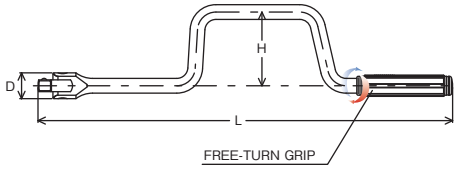
Speed Handle
Winde
Vilebrequin



	L (mm)	(g)	(pce.)
4780	400	644	1

4781N-450

Flexible Speed Handle
Gelenkgriff-Winde
Vilebrequin



* Renewal Kits → **4768RK** P321

	D (mm)	H (mm)	L (mm)	(g)	(pce.)
4781N-450	28	80	450	1000	1

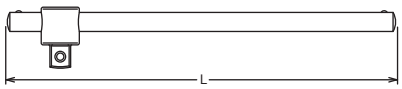
4785

T-Handle
T-Griff
Poignée coulissante

OVAL Shank

OVAL SHAPE SHANK

	L (mm)	(g)	(pcs.)
4785	300	410	2

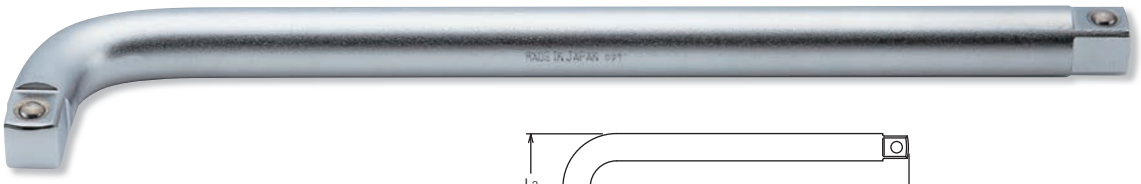


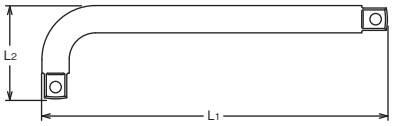
OVAL SHAPE SHANK

OVAL Shank

4747

L-Handle
L-Griff
Poignées en L

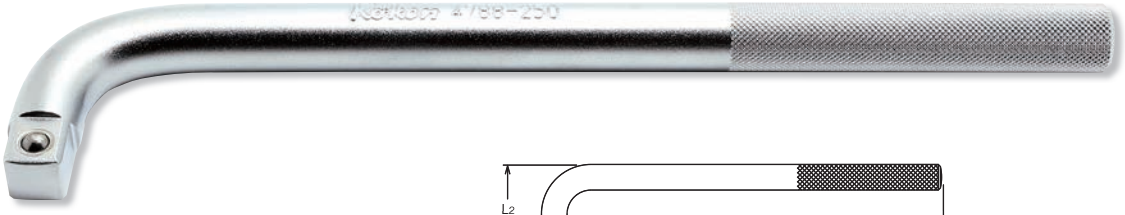


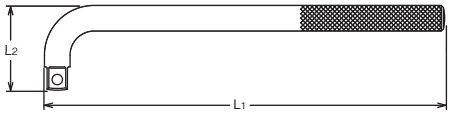


	L1 (mm)	L2 (mm)	(g)	(pce.)
4747	263	53	470	1

4788-250 / -300 / -450 ⚠

L-Handles
L-Griffe
Poignées en L





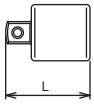
	L1 (mm)	L2 (mm)	(g)	(pcs.)
4788-250	250	53	417	2
4788-300	300	53	503	1
4788-450	450	53	745	1

⚠ 4788-450 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

4433A

Adaptors
Verbindungsstücke
Réducteurs

Warranty 290Nm
Garantie 290Nm
Garantie 290Nm ⚠



	□ (sq.)	◻ (sq.)	L (mm)	(g)	(pcs.)
4433A-35	1/2"	3/8"	35	50	10
4433A-75	1/2"	3/8"	75	120	10
4433A-125	1/2"	3/8"	125	164	5
4433A-250	1/2"	3/8"	250	275	5
4433A-600	1/2"	3/8"	600	530	1

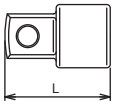
Items in this catalogue marked ⚠ can be loaded to torque values which may cause breakage.
In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastungen zu Bruch gehen. Aus Gründen Ihrer Sicherheit, sollten die betreffenden Werkzeuge nie ruckartig sondern nach und nach belastet werden, um Bruch und damit verbundene, mögliche Verletzungen zu vermeiden.

Il est possible d’appliquer aux articles marqués ⚠ des couples de serrage susceptibles d’occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d’une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

4466A

Adaptor
Verbindungsstück
Réducteurs



	□ (sq.)	◻ (sq.)	L (mm)	(g)	(pcs.)
4466A	1/2"	3/4"	42	108	10

4223M-01
4223M-06

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

4223M-01	15 Pieces Set/=2,600g
4223M-06	15 Pieces Set/=2,600g

METAL CASE:W415×H120×T50mm

Sockets	Accessories
(4223M-01) **4401M** 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22	**4753J**
(4223M-06) **4406M** 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22	**4760-125**
	4770

4238AM

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

4238AM	38 Pieces Set/=8,050g

METAL CASE:W446×H266×T50mm

Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32	**4753N**
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	**4760-125**
4300C Spark Plug Socket 20.8	**4760-250**
	4770
	4780
	4785

S4240M-01
S4240A-00
S4240M-06
S4240A-05

Display Stands
Ausstellungsständer
Présentoirs

S4240M-01	4401M 117 Pieces Set/=13,000g
S4240M-06	4406M 117 Pieces Set/=13,000g

DISPLAY STAND:W510×H150×T230mm

Sockets		
10mm:9pcs	16mm:9pcs	24mm:6pcs
11mm:9pcs	17mm:8pcs	27mm:5pcs
12mm:9pcs	19mm:7pcs	30mm:5pcs
13mm:9pcs	21mm:7pcs	32mm:4pcs
14mm:9pcs	22mm:6pcs	
15mm:9pcs	23mm:6pcs	

S4240A-00	4400A 103 Pieces Set/=13,000g
S4240A-05	4405A 103 Pieces Set/=13,000g

DISPLAY STAND:W510×H150×T230mm

Sockets		
3/8" :9pcs	11/16":8pcs	1" :5pcs
7/16":9pcs	3/4" :7pcs	1.1/16":5pcs
1/2" :9pcs	13/16":7pcs	1.1/8" :5pcs
9/16":9pcs	7/8" :6pcs	1.3/16":5pcs
5/8" :9pcs	15/16":6pcs	1.1/4" :4pcs

4241M-01
4241M-06
4241M-10

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

4241M-01	28 Pieces Set/=6,500g
4241M-06	28 Pieces Set/=6,500g
4241M-10	28 Pieces Set/=6,500g

METAL CASE:W446×H266×T50mm

Sockets	Accessories
(4241M-01) **4401M** 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	**4753J**, **4760-125**, **4760-250**, **4768J-380**, **4770**, **4785**
(4241M-06) **4406M** 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	
(4241M-10) **4410M** Surface Drive Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32	

4241A-00
4241A-05

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

4241A-00	19 Pieces Set/=4,900g
4241A-05	19 Pieces Set/=4,900g

METAL CASE:W445×H190×T50mm

Sockets	Accessories
(4241A-00) **4400A** 6-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	**4753J**, **4760-125**, **4760-250**, **4768J-380**, **4770**, **4785**
(4241A-05) **4405A** 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	

4249M-01
4249M-06

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

4249M-01	20 Pieces Set/=4,800g
4249M-06	20 Pieces Set/=4,800g

METAL CASE:W445×H190×T50mm

Sockets	Accessories
(4249M-01) **4401M** 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30	**4753J**, **4760-125**, **4760-250**, **4770**, **4785**
(4249M-06) **4406M** 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30	

4250M-01
4250M-06
4250M-10

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

4250M-01	18 Pieces Set/=4,700g
4250M-06	18 Pieces Set/=4,700g
4250M-10	18 Pieces Set/=4,700g

METAL CASE:W445×H190×T50mm

Sockets	Accessories
(4250M-01) **4401M** 6-pt. Sockets 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	**4753J**, **4760-125**, **4760-250**, **4770**, **4785**
(4250M-06) **4406M** 12-pt. Sockets 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	
(4250M-10) **4410M** Surface Drive Sockets 10, 11, 12, 13, 14, 15, 17, 19, 22, 24, 27, 30, 32	

4251M-01
4251M-06
4251M-10
4251A-00
4251A-05

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

4251M-01	22 Pieces Set/=3,200g
4251M-06	22 Pieces Set/=3,200g
4251M-10	22 Pieces Set/=3,200g
4251A-00	18 Pieces Set/=2,700g
4251A-05	18 Pieces Set/=2,700g

METAL CASE:W330×H68×T48mm

Sockets

(4251M-01) **4401M** 6-pt. Sockets	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32
(4251M-06) **4406M** 12-pt. Sockets	
(4251M-10) **4410M** Surface Drive Sockets	
(4251A-00) **4400A** 6-pt. Sockets	3/8, 7/16, 1/2, 9/16, 19/32, 5/8, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4
(4251A-05) **4405A** 12-pt. Sockets	

4252M-01
4252M-06
4252M-10

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

4252M-01	13 Pieces Set/=1,200g
4252M-06	13 Pieces Set/=1,200g
4252M-10	13 Pieces Set/=1,200g

METAL CASE:W168×H60×T42mm

Sockets

(4252M-01) **4401M** 6-pt. Sockets	10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22
(4252M-06) **4406M** 12-pt. Sockets	
(4252M-10) **4410M** Surface Drive Sockets	

4254

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

4254	12 Pieces Set/=1,070g

METAL CASE:W215×H80×T47mm

Sockets		Accessories	
3/8"	**3425**- E6, E8		**4763-50**
1/2"	**4425**- E10, E12, E14		**4433A-35**
3/8"	**3325**- E6, E8		
1/2"	**4325**- E10, E12, E14		

4262M-01
4262M-06
4262M-10

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

4262M-01	20 Pieces Set/=4,400g
4262M-06	20 Pieces Set/=4,400g
4262M-10	20 Pieces Set/=4,400g

METAL CASE:W445×H190×T50mm

Sockets	Accessories	
(4262M-01) **4401M** 6-pt. Sockets 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27		**4753J**
(4262M-06) **4406M** 12-pt. Sockets 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27		**4760-125**
(4262M-10) **4410M** Surface Drive Sockets 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27		**4760-250**
		4770
		4785

4272AM-01
4272AM-06

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

4272AM-01	29 Pieces Set/⚖=5,000g
4272AM-06	29 Pieces Set/⚖=5,000g

METAL CASE:W445×H190×T50mm

Sockets	Accessories
(4272AM-01) **4401M** 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 **4400A** 6-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1 (4272AM-06) **4406M** 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 **4405A** 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1	**4753J** **4760-125** **4760-250** **4770** **4785**

4275

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

4275	24 Pieces Set/⚖=5,340g

METAL CASE:W445×H190×T50mm

Sockets	Accessories
4406M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 **4300C** Spark Plug Sockets 16, 20.8 **4300M** Wheel Nut Sockets 17(L60), 19(L60), 21(L60)	**4750J** **4760-125** **4760-250** **4768J-380** **4770** **4785**

4276

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

4276	17 Pieces Set/⚖=2,890g

METAL CASE:W370×H150×T50mm

Sockets	Accessories
4010M.50 Bit Sockets 6, 7, 8, 10, 12, 14 **4025.60** TORX® Bit Sockets T20, T25, T27, T30, T40, T45, T50, T55, T60	**4752J** **4763-125**

4277

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

4277	27 Pieces Set/⚖=5,660g

METAL CASE:W445×H190×T50mm

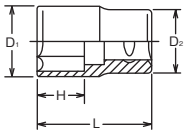
Sockets	Accessories
4406M 12-pt. Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 **4305M** 12-pt. Deep Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24	**4750J** **4760-125** **4768J-380**

3/4”

6400M / 6400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

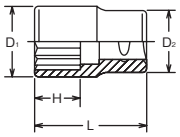
FLAT DRIVE®



6400M 6405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	22.1	34	11	50	160	10
16	24.6	34	12	50	167	10
17	26	34	12.5	50	175	5
18	27	34	13	50	178	5
19	28.5	34	13.5	50	179	5
20	29.5	34	14	50	185	5
21	31	34	14.5	50	185	5
22	32	34	15	50	187	5
23	33.5	34	16	50	187	5
24	34.5	34	17	50	200	5
25	36	34	17.5	50	217	5
26	37	34	18	50	222	5
27	38.5	37	19	53	254	5
28	39.5	38	19.5	53	298	5
29	41	38	20	55	292	5
30	42	38	21	55	301	5
31	43.5	38	22	57	294	5
32	44.5	40	23	57	351	5
33	46	40	23.5	57	384	5
34	47	40	24	57	397	5
35	48.5	42	24.5	59	422	5
36	49.5	42	25	59	438	5
37	51	42	25.5	59	484	5
38	52	45	26	59	523	5
39	53.5	45	26.5	59	538	5
40	54.5	45	27	62	550	5
41	56	47	28	62	633	5
42	57	47	28.5	62	652	2
43	58.5	47	29	62	659	2
44	59.5	47	29.5	62	657	2
45	61	47	30	68	734	2
46	62	47	31	68	791	2
47	63.5	48	31.5	68	816	2
48	64.5	45	32	68	800	2
50	67	48	34	68	880	2
52	69.5	53	33	72	925	2
54	72	55	33	72	1040	2
55	73.5	53	36	72	1006	2
56	74.5	53	36	72	1092	2
57	76	53	36	72	1169	2
58	77	53	36	72	1149	2
60	79.5	58	39	76	1402	2
63	83.5	58	39	76	1494	2
65	86	63	42	80	1608	2
70	92	68	45	84	1785	2
75	98.5	73	48	86	2186	1
78	102.1	73	55	86	2425	1
80	104.5	78	52	90	2475	1
85	111	78	52	90	2620	1

6405M / 6405A

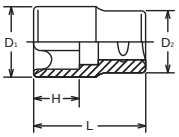
12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



6400A 6405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/8	24.6	34	12	50	168	10
11/16	27	34	13	50	178	5
3/4	28.5	34	13.5	50	179	5
25/32	29.5	34	14	50	185	5
13/16	31	34	14.5	50	185	5
7/8	32	34	15	50	187	5
15/16	34.5	34	17	50	200	5
31/32	36	34	17.5	50	217	5
1	37	34	18	50	222	5
1. 1/16	38.5	37	19	53	254	5
1. 1/8	41	38	20	53	292	5
1. 3/16	42	38	21	55	301	5
1. 1/4	44.5	40	23	57	351	5
1. 5/16	46	40	23.5	57	384	5
1. 3/8	48.5	42	24.5	57	422	5
1. 7/16	51	42	25.5	59	484	5
1. 1/2	52	45	26	59	523	5
1. 9/16	54.5	45	27	59	550	5
1. 5/8	56	47	28	62	633	5
1.11/16	58.5	47	29	62	659	2
1. 3/4	59.5	47	29.5	62	657	2
1.13/16	62	47	31	68	791	2
1. 7/8	64.5	45	32	68	892	2
1.15/16	66	48	32.5	68	870	2
2	68.5	52	34.5	68	949	2
2. 1/16	71	54	33	72	983	2
2. 1/8	72	55	33	72	1040	2
2. 3/16	74.5	53	36	72	1092	2
2. 1/4	76	53	36	72	1169	2
2. 5/16	78.5	53	36	72	1344	2
2. 3/8	79.5	58	39	76	1402	2
2. 7/16	82	58	39	76	1420	2
2. 1/2	84.5	58	39	76	1497	2
2. 9/16	86	63	42	80	1608	2
2. 5/8	88.5	63	42	80	1709	2
2.11/16	89.5	63	42	80	1634	2
2. 3/4	92	68	45	84	1785	2
2.13/16	94.5	68	45	84	2018	2
2. 7/8	96	68	45	84	2062	2
2.15/16	98.5	73	48	86	2186	1
3	101	73	48	86	2309	1
3. 1/8	104.5	78	52	90	2475	1

6425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®

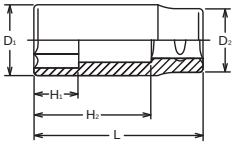


6425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E18	22.1	34	11.9	50	156	5
E20	24.6	34	13.3	50	166	5
E22	27.1	34	14.4	50	178	5
E24	28.6	34	16	50	185	5
E26	31.1	34	17.7	55	217	5
E28	32.1	34	24.1	60	237	5
E30	35	34	24.1	60	242	5
E32	36.1	34	24.1	60	247	5

TORX® is a registered trademark of **CAMCAR Innovations.**
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

6300M / 6300A

6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans



6300M 6305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
17	26	34	18	64	90	278	5
18	27	34	19	64	90	281	5
19	28.5	34	20	64	90	292	5
20	29.5	34	21	64	90	334	5
21	31	34	22	64	90	343	5
22	32	34	23	64	90	347	5
23	33.5	34	24	64	90	361	5
24	34.5	34	25	64	90	352	5
25	36	34	26	64	90	369	5
26	37	34	27	64	90	384	5
27	38.5	37	28	64	90	425	5
28	39.5	38	29	63	90	470	5
29	41	38	30	63	90	503	5
30	42	38	31	63	90	503	5
31	43.5	38	32	62	90	517	5
32	44.5	40	34	62	90	544	5
33	46	40	34	62	90	557	5
34	47	40	35	61	90	570	5
35	48.5	42	36	61	90	622	5
36	49.5	42	37	61	90	631	2
38	52	45	39	60	90	710	2
40	54.5	45	41	60	90	742	2
41	56	47	42	59	90	802	2
42	57	47	43	59	90	829	2
44	59.5	47	45	59	90	838	2
46	62	47	47	58	90	906	2
48	64.5	50	49	57	90	998	2
50	67	48	51	57	90	1005	2
52	69.5	53	49	–	100	1270	2
53	71	54	49	–	100	1338	2
54	72	55	49	–	100	1351	2
55	73.5	53	52	–	100	1388	2
56	74.5	53	52	–	100	1389	2
57	76	53	52	–	100	1467	2
58	77	53	52	–	100	1480	2
60	79.5	58	55	–	100	1626	2
63	83.5	58	55	–	100	1740	2
65	86	63	65	–	100	1939	2

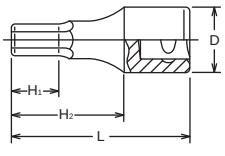
6305M / 6305A

12-point Deep Sockets
12-kant Steckschlüssel,lang
Douilles longues, 12-pans

6300A 6305A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
3/4	28.5	34	20	64	90	292	5
25/32	29.5	34	21	64	90	334	5
13/16	31	34	22	64	90	343	5
7/8	32	34	23	64	90	347	5
15/16	34.5	34	25	64	90	352	5
1	37	34	27	64	90	384	5
1. 1/16	38.5	37	28	64	90	425	5
1. 1/8	41	38	30	63	90	503	5
1. 3/16	42	38	31	63	90	503	5
1. 1/4	44.5	40	34	62	90	544	5
1. 5/16	46	40	34	62	90	557	5
1. 3/8	48.5	42	36	61	90	622	5
1. 7/16	51	42	38	61	90	656	2
1. 1/2	52	45	39	60	90	710	2
1. 9/16	54.5	45	41	60	90	742	2
1. 5/8	56	47	42	59	90	802	2
1.11/16	58.5	47	44	59	90	831	2
1. 3/4	59.5	47	45	59	90	838	2
1.13/16	62	47	47	58	90	906	2
2	68.5	52	52	57	90	1061	2
2. 1/16	71	54	49	–	100	1338	2
2. 1/8	72	55	49	–	100	1351	2
2. 3/16	74.5	53	52	–	100	1389	2
2. 1/4	76	53	52	–	100	1467	2
2. 5/16	78.5	53	52	–	100	1787	2
2. 3/8	79.5	58	55	–	100	1626	2
2. 7/16	82	58	55	–	100	1715	2

6012M-75

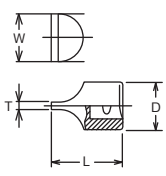
Inhex Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux



6012M-75 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
12	35	15.5	40	75	253	10
14	35	15.5	40	75	265	10
15	35	15.5	40	75	271	10
16	35	15.5	40	75	285	10
17	35	15.5	40	75	292	10
18	35	15.5	40	75	302	10
19	35	15.5	40	75	312	10
20	35	15.5	40	75	323	10
21	38	15.5	40	75	330	10
22	38	22.5	40	75	340	10
24	38	22.5	40	75	362	10
27	38	22.5	40	75	402	10
30	38	28.5	40	75	445	10
32	38	28.5	40	75	485	10
36	42	28.5	40	75	663	10

6101

Socket for Slotted Heads
Steckschlüssel für Schlitzschrauben
Douilles tournevis pour vis à fente



	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6101	6.4×33.5	35	50	205	5

3/4”

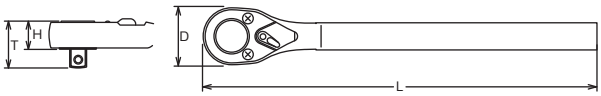
6749
6749-1000 ⚠
6749-HEAD
PIPE-400 / -800

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

SODH - System | Two-Step Dog | 36

* Renewal Kits → **6749RK** ➔P318

RATCHET HANDLE



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
6749	68	49.6	29.6	565	2840	1
6749-1000	68	49.6	29.6	965	3960	1
6749-HEAD	68	49.6	29.6	165	1730	1
PIPE-400	–	–	–	400	1110	1
PIPE-800	–	–	–	800	2230	1

⚠ 6749-1000 has longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

Der Gelenkgriff 6749-1000 ist länger als die Standardversion. Aus Gründen Ihrer Sicherheit, sollten dies Werkzeug nie ruckartig sondern nach und nach belastet werden, um Bruch und damit verbundene, mögliche Verletzungen zu vermeiden.

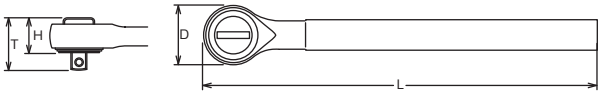
Dû au fait que la manche de la 6749-1000 est plus longue que le standard, il y a risque d’une surcharge excessive lors du serrage. Pour éviter casse et blessure, veuillez serrer d’une façon régulière et progressive.

6752
6752-HEAD
PIPE-400

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

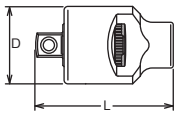
60

* Renewal Kits → **6752RK** ➔P319



	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
6752	67	55.5	35.5	500	2360	1
6752-HEAD	67	55.5	35.5	100	1250	1
PIPE-400	–	–	–	400	1110	1

6755 Ratchet Adaptor / Aufsteckknarre / Cliquet adaptable

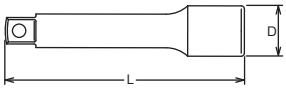


60

* Renewal Kits → 6755RK P319

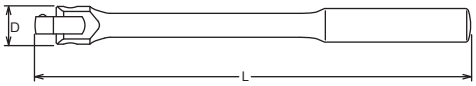
	D (mm)	L (mm)	(g)	(pce.)
6755	62	97	1162	1

6760 Extension Bars / Verlängerungen / Rallonges



	D (mm)	L (mm)	(g)	(pcs.)
6760-75	35	75	335	5
6760-100	35	100	434	2
6760-125	35	125	528	2
6760-150	35	150	624	2
6760-200	35	200	815	1
6760-300	35	300	1203	1
6760-400	35	400	1585	1

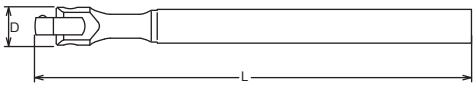
6768 Hinge Handle / Gelenkgriff / Poignée articulée



* Renewal Kits → 6768RK P321

	D (mm)	L (mm)	(g)	(pce.)
6768	42	450	1715	1

6768-600 / -1000 ⚠ Hinge Handle / Gelenkgriff / Poignée articulée
6768-HEAD
PIPE-400 / -800



* Renewal Kits → 6768RK P321

6768	D (mm)	L (mm)	(g)	(pce.)
6768-600	42	600	2360	1
6768-1000	42	1000	3480	1
6768-HEAD	42	200	1250	1
PIPE-400	–	400	1110	1
PIPE-800	–	800	2230	1

⚠ 6768-600/-1000 have longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

Der Art. 6768-600/-1000 hat einen längeren Griff als die Standardausführung und kann mit einem zu hohen Drehmoment belastet werden. Bitte vorsichtig verwenden.

Dû au fait que les manches des 6768-600 et 6768-1000 sont plus longues que le standard, il y a risque d’une surcharge excessive lors du serrage. Pour éviter casse et blessure, veuillez serrer d’une façon régulière et progressive.

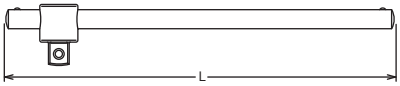
3/4”

6785

T-Handle
T-Griff
Poignée coulissante

OVAL SHAPE SHANK

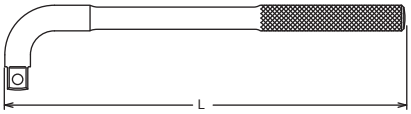
OVAL Shank



	L (mm)	(g)	(pce.)
6785	500	1542	1

6788

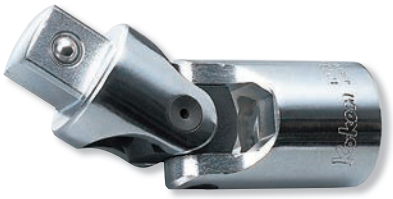
L-Handle
L-Griff
Poignée en L

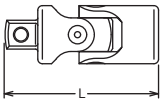


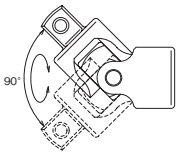
	L (mm)	(g)	(pce.)
6788	330	1175	1

6770

Universal Joint
Gelenk-Einsatz
Cardan universel





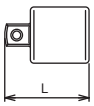


	L (mm)	(g)	(pcs.)
6770	105	478	2

6644A

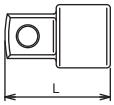
Adaptor
Verbindungsstück
Réducteur

Warranty 668Nm
Garantie 668Nm
Garantie 668Nm



6688A

Adaptor
Verbindungsstück
Augmentateur



	(sq.)	(sq.)	L (mm)	(g)	(pcs.)
6644A	3/4"	1/2"	47	136	5
6688A	3/4"	1"	60	285	5

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d’appliquer aux articles marqués ⚠ des couples de serrage susceptibles d’occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d’une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

6201M-00
6201A-00
6201M-05
6201A-05

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

6201A-00	18 Pieces Set/△△=17,600g
6201A-05	18 Pieces Set/△△=17,600g

METAL CASE:W580×H200×T85mm

Sockets	Accessories
(6201A-00) **6400A** 6-pt. Sockets 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.7/16, 1.1/2, 1.5/8, 1.11/16, 1.13/16, 1.7/8, 2 (6201A-05) **6405A** 12-pt. Sockets 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.7/16, 1.1/2, 1.5/8, 1.11/16, 1.13/16, 1.7/8, 2	**6749** **6760-200** **6760-400** **6768** **6785**

6201M-00	16 Pieces Set/△△=17,300g
6201M-05	16 Pieces Set/△△=17,300g

METAL CASE:W580×H200×T85mm

Sockets	Accessories
(6201M-00) **6400M** 6-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50, 55, 60 (6201M-05) **6405M** 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50, 55, 60	**6749** **6760-200** **6760-400** **6768** **6785**

6212M-00
6212M-05

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

6212M-00	12 Pieces Set/△△=8,200g
6212M-05	12 Pieces Set/△△=8,200g

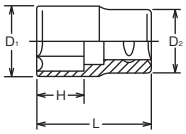
METAL CASE:W580×H124×T70mm

Sockets	Accessories
(6212M-00) **6400M** 6-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50 (6212M-05) **6405M** 12-pt. Sockets 22, 24, 27, 30, 32, 36, 41, 46, 50	**6749** **6760-200** **6785**

8400M / 8400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

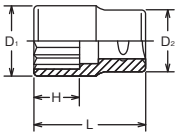
FLAT DRIVE®



8400M 8405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)
24	36.5	44	17	60	348	1
27	40.5	44	19	60	362	1
28	41.5	44	19.5	60	368	1
29	43	44	20	60	378	1
30	44	45	21	65	410	1
32	46.5	45	23	65	455	1
33	48	46	23.5	65	485	1
34	49	46	24	65	500	1
35	50.5	48	24.5	65	536	1
36	51.5	48	25	65	600	1
38	54	50	26	65	624	1
40	56.5	53	27	65	686	1
41	58	53	28	68	747	1
42	59	53	28.5	68	789	1
46	64	53	31	72	928	1
50	69	53	34	72	943	1
54	74	55	37	72	1016	1
55	75.5	53	42	77	1167	1
56	76.5	53	42	77	1160	1
58	79	53	41	77	1200	1
60	81.5	58	46	82	1440	1
63	85.5	58	45	82	1470	1
64	86.5	58	46	82	1540	1
65	88	63	49	86	1683	1
67	90.5	63	49	86	1840	1
68	91.5	63	49	86	1800	1
70	94	68	50	88	1963	1
71	95.5	68	50	88	2200	1
75	100.5	73	53	90	2204	1
78	104	75	52.5	90	2500	1
80	106.5	75	58	95	2550	1
83	110.5	78	57	95	2730	1
85	113	80	57	95	2680	1
90	119	80	59	100	3420	1
95	125.5	85	58	100	4900	1
100	131.5	85	57	100	4840	1

8405M / 8405A

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans

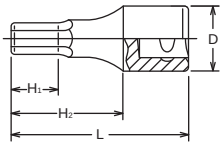


8400A 8405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)
15/16	36.5	44	17	60	355	1
1. 3/16	44	45	21	65	410	1
1. 1/4	46.5	45	23	65	455	1
1. 5/16	48	46	23.5	65	485	1
1. 3/8	50.5	48	24.5	65	536	1
1. 7/16	53	50	25.5	65	607	1
1. 1/2	54	50	26	65	624	1
1. 9/16	56.5	53	27	65	686	1
1. 5/8	58	53	28	68	747	1
1.11/16	60.5	53	29	68	830	1
1. 3/4	61.5	53	29.5	68	807	1
1.13/16	64	53	31	72	928	1
1. 7/8	66.5	53	32	72	936	1
1.15/16	68	53	32.5	72	941	1
2	70.5	53	37	72	976	1
2. 1/16	73	54	37	72	1027	1
2. 1/8	74	55	37	72	1016	1
2. 3/16	76.5	53	41	77	1192	1
2. 1/4	78	53	41	77	1177	1
2. 5/16	80.5	53	41	77	1292	1
2. 3/8	81.5	58	46	82	1440	1
2. 7/16	84	58	45	82	1495	1
2. 1/2	86.5	58	45	82	1497	1
2. 9/16	88	63	49	86	1683	1
2. 5/8	90.5	63	49	86	1840	1
2.11/16	91.5	63	49	86	1800	1
2. 3/4	94	68	50	88	1963	1
2.13/16	96.5	68	50	88	2035	1
2. 7/8	98	70	50	88	2100	1
2.15/16	100.5	73	53	90	2204	1
3	103	75	53	90	2406	1
3. 1/8	106.5	75	58	95	2550	1
3. 1/4	110.5	78	57	95	2730	1
3. 3/8	114	80	57	95	3050	1
3. 1/2	119	80	59	100	3420	1
3. 3/4	125.5	85	58	100	4900	1

8012M-80

Inhex Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux

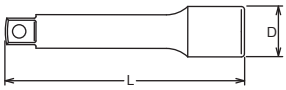
8012M-80 (mm)	D (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pcs.)
17	44.2	15.5	45	80	400	5
19	44.2	15.5	45	80	410	5
22	47.9	22.5	45	80	436	5
24	47.9	22.5	45	80	471	5
27	47.9	22.5	45	80	526	5
30	47.9	22.5	45	80	658	5
32	47.9	22.5	45	80	715	5
36	54.2	22.5	45	80	945	5



8760

Extension Bars
Verlängerungen
Rallonges

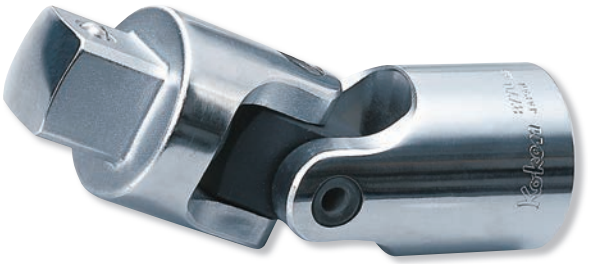
	D (mm)	L (mm)	(g)	(pce.)
8760-200	44	200	1300	1
8760-400	44	400	2570	1

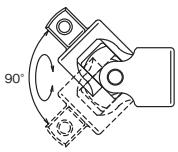


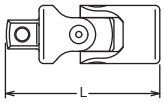
8770

Universal Joint
Gelenk-Einsatz
Cardan universel

	L (mm)	(g)	(pce.)
8770	143	1170	1







8866A

Adaptor
Verbindungsstück
Réducteur

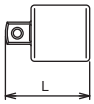
Warranty 1850Nm
Garantie 1850Nm
Garantie 1850Nm

	凹 (sq.)	凸 (sq.)	L (mm)	(g)	(pcs.)
8866A	1”	3/4”	60	338	5

Adapting down from bigger square drive to smaller square drive may lead to excessive torque and possibly cause breakage.

Reduzierstücke sind mit Vernunft einzusetzen.
Es besteht Bruchgefahr. Überschreiten Sie niemals die Sicherheitsgrenzen.

Les réducteurs doivent être utilisés avec modération. Ne dépassez jamais les limites de sécurité.

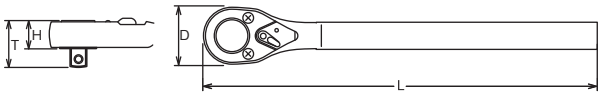


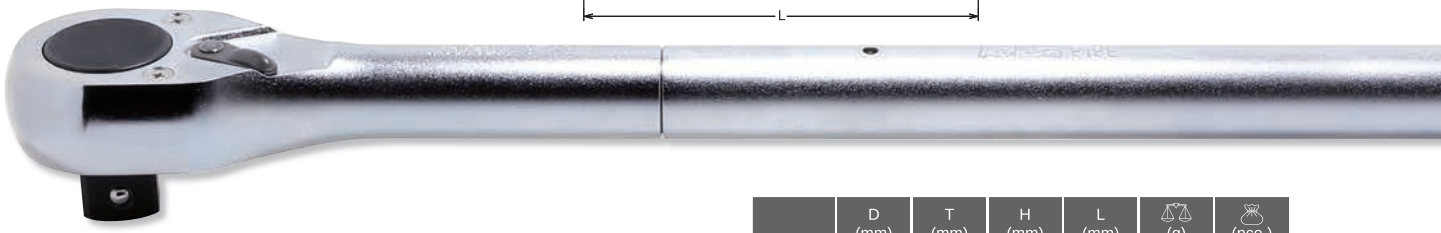
8749
8749-1000 ⚠
8749-HEAD
PIPE-580 / -800

Reversible Ratchet
Knarre, verstellbar
Cliquet, réversible

SODH-System | 2 Two-Step Dog | 36

* Renewal Kits → 8749RK P318





	D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
8749	70	62.2	36.2	800	4100	1
8749-1000	70	62.2	36.2	1020	4720	1
8749-HEAD	70	62.2	36.2	220	2490	1
PIPE-580	–	–	–	580	1610	1
PIPE-800	–	–	–	800	2230	1

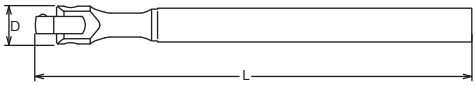
⚠ 8749-1000 has longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

Der Art. 8749-1000 hat einen längeren Griff als die Standardausführung und kann mit einem zu hohen Drehmoment belastet werden. Bitte vorsichtig verwenden.

Dû au fait que la manche de la 8749-1000 est plus longue que le standard, il y a risque d'une surcharge excessive lors du serrage. Pour éviter casse et blessure, veuillez serrer d'une façon régulière et progressive.

8768
8768-1000 ⚠
8768-HEAD
PIPE-400 / -800

Hinge Handle
Gelenkgriff
Poignée articulée



* Renewal Kits → 8768RK P321

	D (mm)	L (mm)	(g)	(pce.)
8768	55	600	2590	1
8768-1000	55	1000	3710	1
8768-HEAD	55	200	1480	1
PIPE-400	–	400	1110	1
PIPE-800	–	800	2230	1

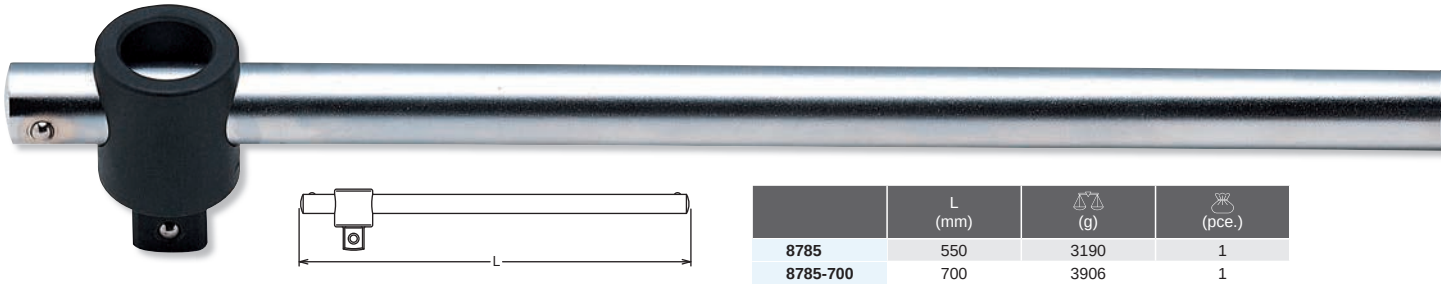
⚠ 8768-1000 has longer handle than standard, and can be loaded to excessive torque value. In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

Der Art. 8768-1000 hat einen längeren Griff als die Standardausführung und kann mit einem zu hohen Drehmoment belastet werden. Bitte vorsichtig verwenden.

Dû au fait que la manche de la 8768-1000 est plus longue que le standard, il y a risque d'une surcharge excessive lors du serrage. Pour éviter casse et blessure, veuillez serrer d'une façon régulière et progressive.

8785
8785-700

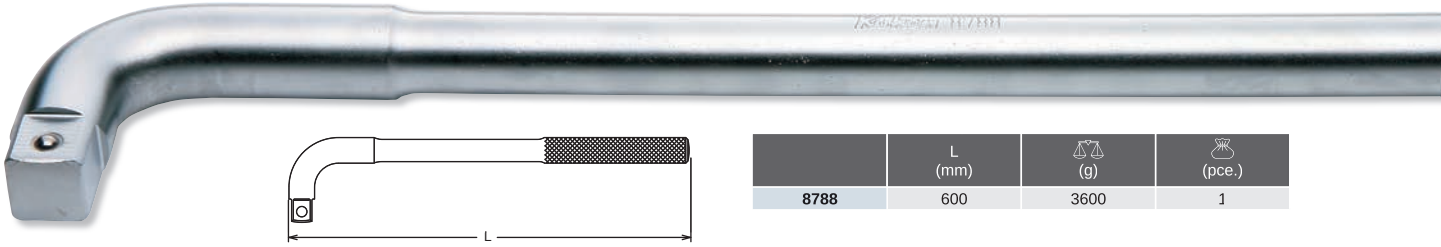
T-Handle
T-Griff
Poignée coulissante



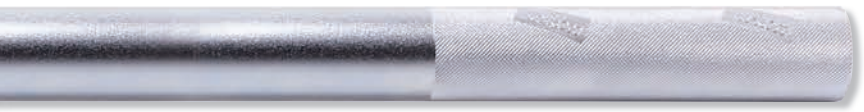
	L (mm)	(g)	(pce.)
8785	550	3190	1
8785-700	700	3906	1

8788

L-Handle
L-Griff
Poignée en L



	L (mm)	(g)	(pce.)
8788	600	3600	1



8225M-00
8225M-05

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

8225M-00	15 Pieces Set/⚖=27,000g
8225M-05	15 Pieces Set/⚖=27,000g

METAL CASE:W600×H217×T97mm

Sockets	Accessories
(8225M-00) **8400M** 6-pt. Sockets 32, 33, 36, 41, 46, 50, 55, 60, 65, 70, 75, 80 (8225M-05) **8405M** 12-pt. Sockets 32, 33, 36, 41, 46, 50, 55, 60, 65, 70, 75, 80	**8749** **8760-200** **8760-400**

TITAN-SOCKETS & ACCESSORIES
TITAN STECKSCHLÜSSEL UND ZUBEHÖRTEILE
DOUILLES ET ACCESSOIRES TITAN

TI4261M

Socket Set Titanium
Steckschlüssel Satz Titanium
Jeu de clés à douille Titanium

Pentagon Drive

TI4261M	18 Pieces Set/=4,280g
WOODEN CASE:W445×H190×T60mm	
Sockets	Accessories
TI4400M 6-pt. Sockets 8, 10, 11, 12, 13, 14, 17, 19, 21, 22, 24, 26, 27	**TI4749J** **TI4760-125** **TI4760-250** **TI4768J-380** **TI4770**

Characteristic of TITAN

Light weight : Makes it effective for operating tools.The specific gravity is only about 58% of chrome molybdenum steel which is used for our normal products.
Non-Corrosion : Corrosion Resistance is greatly improved against salt water and any kind of chemical products.
Non-Magnetic : Non-Magnetic material will prevent the tools from magnetizing.

Eigenschaften der TITAN Legierung

Geringes Gewicht : Das spezifische Gewicht liegt bei 58% herkömmlicher Chrom-Molybdän Stähle.
Korrosionsfest : Meerwasser oder Säuren hinterlassen keine Spuren.
Nicht magnetisch : Titan Werkzeuge lassen sich nicht magnetisieren.

Caractéristiques de l'alliage TITAN

Légèreté : Son poids spécifique n'est que 58% de celui de l'acier au chrome-molybdène utilisé pour tous nos produits standards.
Anti-corrosion : Aussi bien pour l'eau que pour tous les produits chimiques.
Anti-magnétique : Le Titan empêche toute magnétisation de l'outil.

Pentagonal drive is designed to avoid using with normal square drive items, so that it will provide extra safety and much more strength.

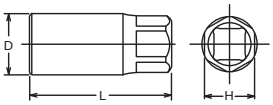
Der 5-kant Antrieb (Pentagon-Drive) gewährt einen kraftvollen Anzug und unterbindet aus Sicherheitsgründen die Verwendung von Zubehörteilen anderer Legierungen.

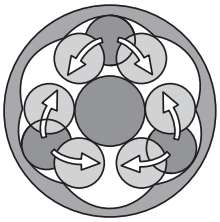
L'entraînement pentagonal est conçu pour obtenir un serrage puissant et pour empêcher l'utilisation d'accessoires traditionnels et ce pour des raisons de sécurité.

ACCESSORIES
ZUBEHÖRTEILE
ACCESSOIRES

4100M / 4100A

Stud Pullers
Stehbolzendreher
Extracteurs de goujons





Stud Pullers
Hexagon body design can lessen the excessive load on cages and rollers inside the pullers.

Stehbolzendreher
Der neue Körper mit sechs Walzenmulden verteilt den Druck auf Käfig und Walzen weitaus vorteilhafter.

Extracteurs de goujons
Le nouveau corps de forme hexagonale répartit l'effort de façon plus uniforme sur la cage et les rouleaux.

STUD BOLT PULLER

4100M (mm)		D (mm)	L (mm)	H (mm)	(g)	(pcs.)
5	1/2"	24	65	21	145	10
6		24	65	21	150	10
7		24	65	21	150	10
8		24	65	21	147	10
9		28	75	21	217	10
10		28	75	21	213	10
10.5		28	75	21	202	10
11		28	75	21	218	10
12		28	75	21	220	10
14		34	75	27	340	5
16	– ⚠	34	75	27	315	5

4100A (inch)		D (mm)	L (mm)	H (mm)	(g)	(pcs.)
1/4	1/2"	24	65	21	150	10
5/16		24	65	21	147	10
3/8		28	75	21	213	10
7/16		28	75	21	218	10
1/2		28	75	21	191	10
9/16		34	75	27	340	5
5/8	– ⚠	34	75	27	315	5

* Renewal Kits → **4100MRK/4100ARK** ➡P321

⚠ 4100M-16 and 4100A-5/8 do not have 1/2'' square drive.
Drive the outer hexagon part with 27mm sockets or ring wrenches.
Die Artikel 4100M 16mm und 4100A 5/8'' haben keinen 1/2'' Antriebsvierkant.
Bitte benutzen Sie den 27mm Aussensechskant.
Les articles 4100M-16 et 4100A-5/8" n'ont pas de carré entraînant 1/2" , veuillez utiliser l'hexagonal 6 pans 27 mm

Tolerance

4100M (mm)		4100A (inch)	
5	4.7- 5	**1/4**	6 - 6.4
6	5.6- 6	**5/16**	7.6- 8
7	6.6- 7	**3/8**	9 - 9.6
8	7.6- 8	**7/16**	10.5-11.1
9	8.4- 9	**1/2**	12.1-12.7
10	9.4-10	**9/16**	13.5-14.3
10.5	9.9-10.5	**5/8**	15.2-16
11	10.4-11		
12	11.4-12		
14	13.2-14		
16	15.2-16		

4211M / 4211A

Stud Pullers Sets
Stehbolzendreher im Satz
Jeux d'extracteurs de goujons

4211M — 4 Pieces Set/⚖=1,040g
METAL CASE:W215×H80×T47mm
PULLER
4100M Stud Pullers
6, 8, 10, 12

4211A — 4 Pieces Set/⚖=1,040g
METAL CASE:W215×H80×T47mm
PULLER
4100A Stud Pullers
1/4, 5/16, 3/8, 1/2

4214M

Stud Pullers Set
Stehbolzendreher im Satz
Jeux d'extracteurs de goujons

4214M — 5 Pieces Set/⚖=1,450g
METAL CASE:W215×H80×T47mm
PULLER
4100M Stud Pullers
6, 8, 10, 12, 14

6100M

Stud Pullers
Stehbolzendreher
Extracteurs de goujons

6100M (mm)		D (mm)	L (mm)	H (mm)	(g)	(pce.)
18	3/4"	48	100	36	840	1
20		48	100	36	816	1
22		48	100	36	745	1
24		48	100	36	739	1
27		63	125	46	1707	1
28		63	125	46	1701	1
29		63	125	46	1696	1
30		63	125	46	1691	1

* Renewal Kits → **6100MRK** ➔P321

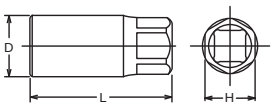
6100M-22 to -30 do not have 3/4'' square drive.
Drive the outer hexagon part with sockets or ring wrenches
(size 22-24mm = 36H, 27-30mm = 46H.)

Die Stehbolzendreher ab Abmessung 22mm haben keinen 3/4'' Antriebsvierkant.
Bitte benutzen sie den Aussensechskant.

Les extracteurs de goujon à partir de la dimension 22mm n'ont pas de carré d'entraînement 3/4".
Veuillez utiliser le carré extérieur.

Tolerance

6100M (mm)	
18	16.9-18
20	18.8-20
22	20.8-22
24	22.7-24
27	25.7-27
28	26.7-28
29	27.6-29
30	28.6-30



14100M / 14100A

IMPACT Stud Pullers
IMPACT Stehbolzendreher
Extracteurs de goujons IMPACT

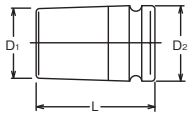
14100M (mm)		D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)	
6	1/2"	24	25	48	126	10	*1
7		24	25	48	126	10	*1
8		24	25	48	122	10	*1
9		28	30	48	181	10	*2
10		28	30	48	181	10	*2
12		28	30	48	175	10	*2

14100A (inch)		D_1 (mm)	D_2 (mm)	L (mm)	(g)	(pcs.)	
1/4	1/2"	24	25	48	126	10	*1
5/16		24	25	48	122	10	*1
3/8		28	30	48	181	10	*2
7/16		28	30	48	181	10	*2
1/2		28	30	48	180	10	*2

*1 C-Ring=C41,Pin/O-Ring=A41/B41
*2 C-Ring=C42,Pin/O-Ring=A42/B42 ➔P268-269

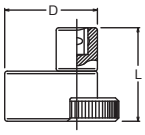
Tolerance

14100M (mm)		14100A (inch)	
6	5.6- 6	**1/4**	6 - 6.4
7	6.6- 7	**5/16**	7.6- 8
8	7.6- 8	**3/8**	9 - 9.6
9	8.4- 9	**7/16**	10.5-11.1
10	9.4-10	**1/2**	12.1-12.7
12	11.4-12		



4104

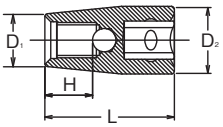
Stud Puller
Stehbolzendreher
Extracteur de goujons



4104	◹	Tolerance min	Tolerance max	D (mm)	L (mm)	⚖ (g)	(pcs.)
	1/2"	ϕ6	ϕ19	54	56	489	2

4103M / 4103A

Stud Bolt Setters
Stehbolzensetzer
Monte-goujons



STUD BOLT SETTER

4103M (mm)	◹	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	(pcs.)
6(1.0)	1/2"	10.3	22	9	37	54	10
7(1.0)		11.5	22	10	37	58	10
8(1.25)		13.2	22	11	37	60	10
10(1.25)		15.3	23	13	44	86	10
10(1.5)		15.3	23	13	44	86	10
12(1.25)		17.8	23	14	44	86	10
12(1.75)		17.8	23	14	44	86	10

4103A (inch)	◹	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	(pcs.)
New **1/4(28)**	1/2"	10.7	22	9	37	55	10
New **5/16(18)**		13.2	22	11	37	61	10
New **5/16(24)**		13.2	22	11	37	61	10
New **3/8(16)**		14.6	22.9	12	44	84	10
New **7/16(14)**		16.5	22.9	14	44	85	10
New **1/2(13)**		19	22.9	14	44	88	10

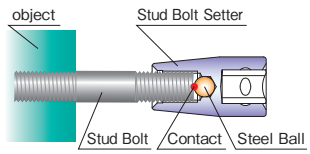
⚠ Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.

4203M
4203MF

Stud Bolt Setters Set
Stehbolzensetzer im Satz
Jeu de monte-goujons

4203M 4 Pieces Set/⚖=530g
METAL CASE:W130×H65×T26mm
Stud Bolt Setter
4103M Stud Bolt Setters
6(1.0), 8(1.25), 10(1.5), 12(1.75)

4203MF 4 Pieces Set/⚖=530g
METAL CASE:W130×H65×T26mm
Stud Bolt Setter
4103M Stud Bolt Setters
6(1.0), 8(1.25), 10(1.25), 12(1.25)



A special socket for installing a stud bolt.
Inside steel ball prevents the stud bolt stuck onto the socket. After installing a stud bolt, turn to anti-clockwise to removing the socket.

Spezialwerkzeug zum Setzen von Stehbolzen. Der Bolzen trifft im Werkzeug nur auf die gehärtete Stahlkugel, was die Kontaktfläche verringert. Nach dem Setzen des Stehbolzens kann das Werkzeug im Linkslauf vom Stehbolzen abgezogen werden.

Douilles spéciales pour monter les goujons.
Le goujon est en contact avec une bille d'acier pour l'empêcher d'adhérer à la douille.
Après avoir posé le goujon, tourner dans le sens antihorlogique pour le retirer

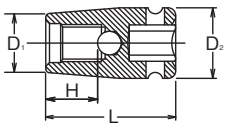
13103M

Impact Stud Bolt Setters
Impact Stehbolzensetzer
Monte-goujons Impact

13103M (mm)	□	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5(0.8)	3/8"	9.5	19	8	32	39	10	*1
6(1.0)		10.8	19	9	32	41	10	*1
7(1.0)		12.5	19	10	32	44	10	*1
8(1.25)		13.5	19	11	35	49	10	*1
10(1.25)		15.8	19	13	35	49	10	*1
10(1.5)		15.8	19	13	35	49	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269

Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.



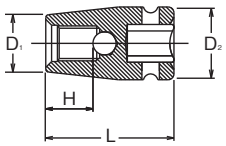
14103M

Impact Stud Bolt Setters
Impact Stehbolzensetzer
Monte-goujons Impact

14103M (mm)	□	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6(1.0)	1/2"	12	25	11	42	75	10	*1
7(1.0)		13.2	25	12	42	78	10	*1
8(1.25)		14.5	25	15	42	81	10	*1
10(1.25)		17	25	18	49	106	10	*1
10(1.5)		17	25	18	49	106	10	*1
12(1.25)		19.5	25	19	49	107	10	*1
12(1.75)		19.5	25	19	49	107	10	*1
14(1.5)		22	25	21	55	128	10	*1
14(2.0)		22	25	21	55	128	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➡P268-269

Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.



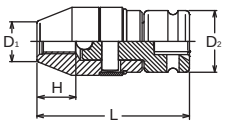
23103M

Stud Bolt Setter with unlocking system
Stehbolzensetzer mit Entriegelungssystem
Monte-goujons avec système de déverrouillage

	23103M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New	6(1.0)	11.1	22	9	59	175	10	*1
New	8(1.25)	13.6	22	11	61	181	10	*1
New	10(1.25)	16	22	13	63	188	10	*1
New	10(1.5)	16	22	13	63	188	10	*1

*1 C-Ring=C32, Pin/O-Ring=A32/B32 ➡P268-269

This item is not suitable for impact drivers.
Depend on the stud bolt and tightening torque, 23103M / 24103M may cause a scratch against the stud bolts or got stuck itself during a work.



24103M

Stud Bolt Setter with unlocking system
Stehbolzensetzer mit Entriegelungssystem
Monte-goujons avec système de déverrouillage

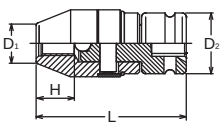
	24103M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New	8(1.25)	15.4	30	15	69	332	10	*1
New	10(1.25)	17.8	30	18	72	344	10	*1
New	10(1.5)	17.8	30	18	72	344	10	*1
New	12(1.75)	20.2	30	19	74	352	10	*1

*1 C-Ring=C42, Pin/O-Ring=A42/B42 ➡P268-269

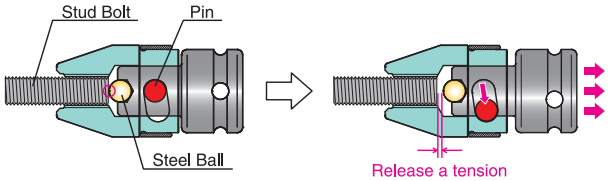
This item is not suitable for Impact Drivers.
The tool should only be used with non-impacting electric screwdrivers.

Das Werkzeug ist nicht für Schlagschrauber geeignet.
Das Werkzeug sollte ausschliesslich mit nicht schlagenden Elektroschraubern verwendet werden.

L'outil n'est pas adapté aux visseuses à chocs.
L'outil doit être utilisé exclusivement avec des visseuses électriques non percutantes.



23103M/24103M -Stud Bolt Setter with unlocking system-



Installing a stud bolt **Removing the stud bolt setter**

The stud setter has an unlocking system that allows the tool to be easily unscrewed from the stud.

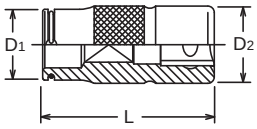
Der Stehbolzensetzer verfügt über ein Entriegelungssystem dadurch lässt sich das Werkzeug ganz leicht vom Stehbolzen abdrehen.

L'outil de pose de goujons dispose d'un système de déverrouillage qui permet de le détacher facilement du goujon.

3131E

Tap Holder
Halter für Gewindeschneider
Porte taraud / porte-filière

TAP HOLDER



3131E	☐	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)
☐2.1× ø2.8	3/8"	6.8	18	40	45	10
☐2.7× ø3.5		8	18	40	46	10
☐3.4× ø4.5		9.5	18	40	47	10
☐4.9× ø6		11.5	18	40	48	10
☐5.5× ø7		12.5	18	40	49	10
☐7 × ø9		15	18	40	48	10
☐9 ×ø11		17	18	40	48	10
☐9 ×ø12		18	18	40	48	10

For DIN352, DIN351, DIN2181, DIN5157 tap

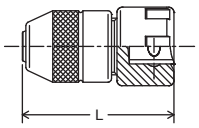
3264

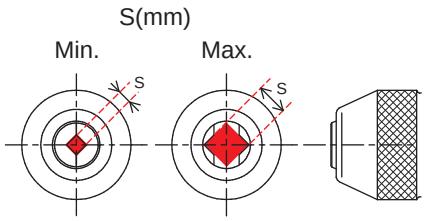
Tap Holder set 10 pieces
Halter für Gewindeschneider im Satz
Jeu de portes taraud

3264	10 Pieces Set/⚖=1,050g
METAL CASE:W240×H100×T32mm	
Sockets	Accessories
3131E ☐2.1×ø2.8, ☐2.7×ø3.5, ☐3.4×ø4.5, ☐4.9×ø6, ☐5.5×ø7, ☐7×ø9, ☐9×ø11, ☐9×ø12,	**160K**, **3760-125**

3131A
4131A

Adjustable Tap Holder
Halter für Gewindeschneider, einstellbar
Porte taraud, ajustable



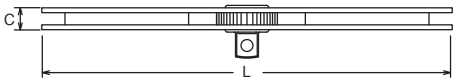


3131A	☐	S(mm) Min.	S(mm) Max.	L (mm)	(g)	(pcs.)
1	3/8"	2.0	5.0	42	80	5
2		4.5	8.0	47	100	5

4131A	☐	S(mm) Min.	S(mm) Max.	L (mm)	(g)	(pcs.)
3	1/2"	5.5	12	69	400	2

160K

Reversible Rachet
Verstelbare Knarre
Cliquet réversible

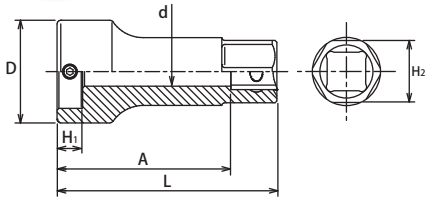


Tap is not included.
Gewindeschneider, nicht enthalten.
Taraud non inclus.

	☐	C (mm)	L (mm)	(g)	(pce.)
160K	3/8"	10	220	130	1
160K-1/2	1/2"	10	220	135	1

3132
4132

Die Holder
Halter für Gewindeschneideisen
Porte-filière



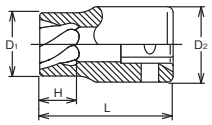
	☐	D (mm)	H1 (mm)	H2 (mm)	d (mm)	A (mm)	L (mm)	(g)	(pcs.)
3132-20	3/8"	28	7	17	8	45	60	130	5
4132-25		34	9	22	14	40	60	170	2
4132-38	1/2"	48	13	24	18	60	80	315	2
4132-50		60	16	27	30	85	105	740	2

Die is not included.
Gewindeschneideisen, nicht enthalten.
Filière non inclus.

NUTTWISTER®

2127 NUTTWISTER®

2127 (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
4	1/4"	7	13	4	23	14	10
4.5		7.4	13	4	23	14	10
5		8	13	5	23	14	10
5.5		8.8	13	5	23	14	10
6		9.5	13	6	23	14	10
7		10.9	13	6	23	14	10
8		11.5	13	8	23	14	10
9		13	13	8	23	15	10
9.5		13.8	13	10	23	16	10
10		14.8	13	10	23	17	10



RS2127/6

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2127/6	6 Pieces Set/Rail 150mm	(g)
	4, 4.5, 5, 5.5, 6, 7	105

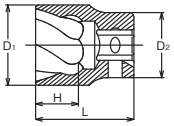
RS2127/10

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS2127/10	10 Pieces Set/Rail 150mm	(g)
	4, 4.5, 5, 5.5, 6, 7, 8, 9, 9.5,10	180

3127 NUTTWISTER®

3127 (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	3/8"	11.5	19	8	32	40	10
9		13	19	8	32	40	10
9.5		13.8	19	8	32	41	10
10		14.8	19	10	32	41	10
11		16	19	10	32	43	10
12		17	19	12	32	44	10
13		18.5	19	12	32	46	10
14		19.7	19	14	32	48	10
15		20.7	19	14	32	52	10
16		22.2	22	14	32	66	10
17		23.5	22	16	35	80	10
19		26	22	16	35	92	10



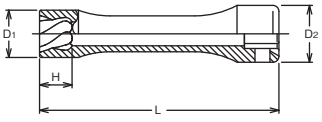
RS3127/8

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

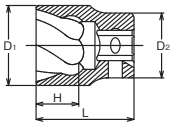
RS3127/8	8 Pieces Set/Rail 200mm	(g)
	8, 9, 10, 11, 12, 13, 14, 16	420

3128 (L80) NUTTWISTER® (Long type)

3128-80 (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	3/8"	11.5	19	6	80	58	10
9		13	19	6	80	61	10
10		14.8	19	8	80	66	10
11		16	19	8	80	70	10
12		17	19	10	80	77	10
13		18.5	19	10	80	80	10
14		19.7	19	12	80	82	10



4127 NUTTWISTER®



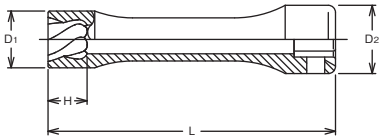
4127 (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	1/2"	19.7	30	14	42	125	10
17		23.5	30	16	42	137	10
19		26	30	16	42	146	10
21		28	30	17	42	153	10
22		29.5	30	17	42	158	10
24		32	30	18	42	174	10
25.4		33.5	30	18	42	183	10

RS4127/6

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4127/6	6 Pieces Set/Rail 200mm	(g)
	17, 19, 21, 22, 24, 25.4	960

4128 (L120) NUTTWISTER® (Long type)



4128-120 (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
17	1/2"	23.5	30	16	120	227	10
19		26	30	16	120	247	10
21		28	30	17	120	262	10
22		29.5	30	17	120	259	10

A very effective method and easy solution for removing rounded off nuts, bolts and studs. The sharp edges of the NUTTWISTER® Socket opening will tighten around the nut, bolt or stud and turn it easily off.

Eine einfache und wirkungsvolle Methode rund gedrehte Muttern und Bolzen herauszudrehen bzw. zu öffnen.
Die scharfen Kanten der gewundenen NUTTWISTER® Öffnung setzen sich um die Mutter bzw. den Schraubenkopf und drehen sie problemlos heraus.

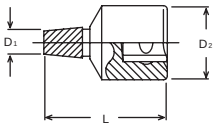
Il existe une méthode simple mais efficace pour retirer les écrous et les boulons arrondis ainsi que les goujons et les dispositifs de verrouillage des jantes.
Les arêtes vives de la douille NUTTWISTER® vont <mordre> l'écrou, le boulon ou le goujon et permettre ainsi facilement son extraction.

NUTTWISTER®

3129-32 / -60 BOLTTWISTER®

3129-32 (mm)	☐	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)
2	3/8"	2	19	32	32	10
3		3	19	32	33	10
4		4	19	32	33	10
6		6	19	32	35	10
8		8	19	32	37	10
10		10	19	32	40	10

3129-60 (mm)	☐	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)
2	3/8"	2	19	60	38	10
3		3	19	60	42	10
4		4	19	60	44	10
6		6	19	60	47	10
8		8	19	60	53	10
10		10	19	60	64	10



RS3129/6-L32 / -L60

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

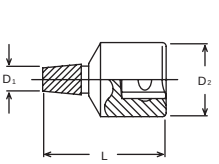
RS3129/6-L32	6 Pieces Set/Rail 150mm	(g)
	2, 3, 4, 6, 8, 10	250

RS3129/6-L60	6 Pieces Set/Rail 150mm	(g)
	2, 3, 4, 6, 8, 10	320

4129-37 / -75 BOLTTWISTER®

4129-37 (mm)	☐	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)
8	1/2"	8	24	37	59	10
10		10	24	37	63	10
12		12	24	37	67	10
14		14	24	37	72	10
16		16	24	37	78	10

4129-75 (mm)	☐	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)
8	1/2"	8	24	75	80	10
10		10	24	75	94	10
12		12	24	75	110	10
14		14	24	75	130	10
16		16	24	75	150	10

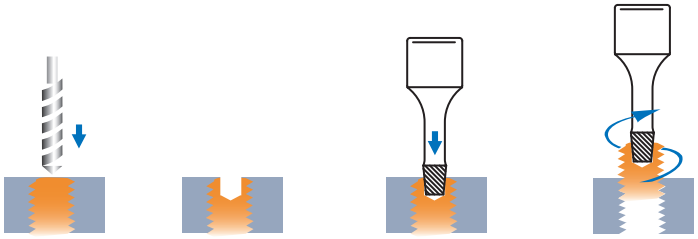


RS4129/5-L37 / -L75

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4129/5-L37	5 Pieces Set/Rail 150mm	(g)
	8, 10, 12, 14, 16	370

RS4129/5-L75	5 Pieces Set/Rail 150mm	(g)
	8, 10, 12, 14, 16	600



Effective method and easy solution for removing twisted of bolt. Drill a hole in the center of bolt and drive BOLTTWISTER® firmly into the hole. The sharp Spirals edges will hold the broken bolt and easily remove it.

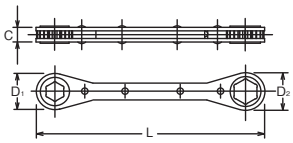
Eine effektive Methode und einfache Lösung zum Entfernen von verdrehten Schrauben. Bohren Sie ein Loch in die Mitte der Schraube und treiben Sie den BOLTTWISTER fest in das Loch. Die scharfen Spiralkanten halten die gebrochene Schraube fest und entfernen diese leicht.

Une méthode efficace et une solution simple pour enlever les vis tordues. Percez un trou au centre de la vis et enfoncez fermement le BOLTTWISTER dans le trou. Les arêtes hélicoïdales tranchantes maintiennent la vis cassée et permettent de la retirer facilement.

BOLTTWISTER	Bolt size	Drill size
2	M5	ϕ 2.4～ 2.6
3	M6	ϕ 3.2～ 3.5
4	M8	ϕ 4.2～ 4.5
6	M10～M12	ϕ 6.2～ 6.5
8	M14～M16	ϕ 8.2～ 8.5
10	M18～M20	ϕ10.2～10.5
12	M22～M24	ϕ12.2～12.5
14	M27～M30	ϕ14.2～14.5
16	M33	ϕ16.2～16.5

102NM / 102NA

Without reverse lever
Nicht umstellbar
Non réversible

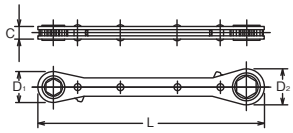


102NM (mm)	L (mm)	D1 (mm)	D2 (mm)	C (mm)	(g)	(pcs.)
6×7	108	15.3	16.4	7.5	60	10
7×8	108	15.3	16.4	7.5	60	10
8×9	134	17.1	19.7	7.5	80	10
8×10	134	17.1	19.7	7.5	80	10
10×11	140	20.1	22.7	7.5	87	10
10×12	140	20.1	22.7	7.5	87	10
11×13	145	23.6	24.6	9	112	10
12×13	145	23.6	24.6	9	112	10
12×14	145	23.6	24.6	9	112	10

102NA (inch)	L (mm)	D1 (mm)	D2 (mm)	C (mm)	(g)	(pcs.)
7/32× 1/4	108	15.3	16.4	7.5	60	10
1/4 × 9/32	108	15.3	16.4	7.5	60	10
1/4 × 5/16	108	15.3	16.4	7.5	60	10
5/16×11/32	134	17.1	19.7	7.5	80	10
5/16× 3/8	134	17.1	19.7	7.5	80	10
3/8 × 7/16	140	20.1	22.7	7.5	87	10
7/16× 1/2	145	23.6	24.6	9	112	10
1/2 × 9/16	145	23.6	24.6	9	112	5

102KM / 102KA

Reversible
Umstellbar
Réversible

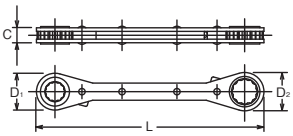


102KM (mm)	L (mm)	D1 (mm)	D2 (mm)	C (mm)	(g)	(pcs.)
6×7	108	15.3	16.4	7.2	51	10
7×8	108	15.3	16.4	7.2	51	10
8×9	134	17	20	9.1	76	10
8×10	134	17	20	9.1	76	10
10×11	141	21	23.5	9.1	84	10
10×12	141	21	23.5	9.1	84	10
12×13	146	24	25	9.1	89	10
12×14	146	24	25	9.1	89	5
13×17	200	27.1	31.8	11.5	190	5
14×17	200	27.1	31.8	11.5	200	5

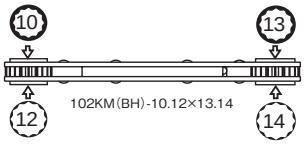
102KA (inch)	L (mm)	D1 (mm)	D2 (mm)	C (mm)	(g)	(pcs.)
7/32× 1/4	108	15.3	16.4	7.2	51	10
1/4 × 5/16	108	15.3	16.4	7.2	51	10
5/16×11/32	134	17	20	9	76	10
3/8 × 7/16	141	21	23.5	9.1	84	10
1/2 × 9/16	146	24	25	9.1	89	5

102KM.BH

With Twin Openings (Two-in-One)
Doppel-Ringschlüssel (zwei Öffnungen in einer)
Ouvertures doubles

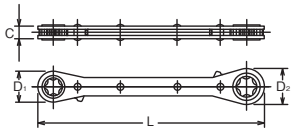


102KM.BH (mm)	L (mm)	D1 (mm)	D2 (mm)	C (mm)	(g)	(pcs.)
5.5• 6x 7• 8	108	15.3	16.4	10	60	10
8 •10x12•13	141	21	23.5	13	87	10
9 •10x11•12	141	21	23.5	13	87	10
10 •12x13•14	146	24	25	13	98	10
13 •14x15•17	200	27.1	31.8	16	200	5



102KT

Reversible TORX®
Umstellbar TORX®
Réversible TORX®



102KT (E)	L (mm)	D1 (mm)	D2 (mm)	C (mm)	(g)	(pcs.)
E 4×E 6	108	15.3	16.4	7.5	51	10
E 6×E 8	108	15.3	16.4	7.5	51	10
E10×E12	134	17	20	9	76	10

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TORX® est une marque déposée de **CAMCAR Innovations.**

103KM (mm)	L (mm)	D_1 (mm)	D_2 (mm)	C (mm)	(g)	(pcs.)
6× 7	108	15.3	16.4	7.5	51	5
7× 8	108	15.3	16.4	7.5	51	5
8× 9	134	17	20	9	76	5
8×10	134	17	20	9	76	5
10×11	140	21	23.5	9	84	5
10×12	140	21	23.5	9	84	5
12×13	145	24	25	9	89	5
12×14	145	24	25	9	89	5

103KA (inch)	L (mm)	D_1 (mm)	D_2 (mm)	C (mm)	(g)	(pcs.)
7/32× 1/4	108	15.3	16.4	7.5	51	5
1/4 × 5/16	108	15.3	16.4	7.5	51	5
5/16×11/32	134	17	20	9	76	5
5/16× 3/8	134	17	20	9	76	5
3/8 × 7/16	140	21	23.5	9	84	5
7/16× 1/2	145	24	25	9	89	5
1/2 × 9/16	145	24	25	9	89	5

103KA.BH (inch)	L (mm)	D_1 (mm)	D_2 (mm)	C (mm)	(g)	(pcs.)
1/4×5/16	108	15.3	16.4	7.5	51	5
3/8×7/16	140	21	23.5	9	84	5
1/2×9/16	145	24	25	9	89	5

103KT (E)	L (mm)	D_1 (mm)	D_2 (mm)	C (mm)	(g)	(pcs.)
E 4×E 6	104	15.3	16.4	7.5	51	5
E 6×E 8	104	15.3	16.4	7.5	51	5
E10×E12	128	17	20	9	76	5
E14×E16	139	24	25	9	89	5

145KM (mm)	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
10H	125	20.1	7.5	72	10

150-10H (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5	12	3.5	11	6	10
6	12	4.5	12.5	7	10
7	12	5	14	7	10
8	12	6	15.5	7	10
9	13	6	16	7	10
10	14.3	7	17	9	10
12	17.4	9	19.5	14	10

1203 7 Pieces Set/=250g

METAL CASE:W130×H65×T20mm

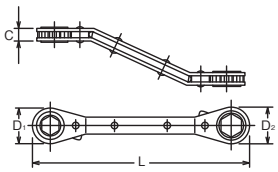
Sockets	Accessory
150.10H 5, 6, 7, 8, 9, 10	**145KM-10H**

103KM / 103KA

Reversible
Umstellbar
Réversible

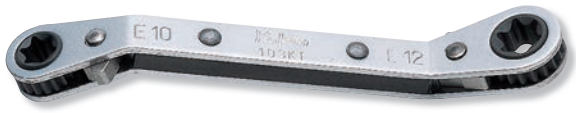
103KA.BH

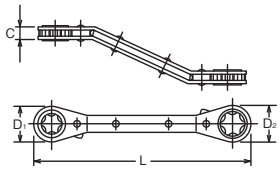
Reversible (12P)
Umstellbar (12P)
Réversible (12P)



103KT

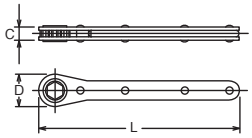
Reversible TORX®
Umstellbar TORX®
Réversible TORX®





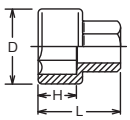
145KM-10H

Reversible, 10mm 6-pt.
Verstellbar SW10mm
Réversible 10mm



150-10H

Sockets with 10mm 6-point Drive End
Steckschlüssel mit 10mm Sechskant-Antrieb
Douilles à conducteur de 10mm 6-pans mâle



1203

Sockets with 10mm 6-point Drive End in Set with Ratchet
Steckschlüssel mit 10mm Sechskant-Antrieb mit Knarre im Satz
Jeu de douilles à conducteur 10mm 6-pans mâle, avec cliquet

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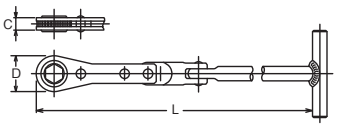
154M

Push and Pull-Ratchets
Hub-Knarren
Clé à cliquet de levage



154M (mm)	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
8	294	17.1	7.5	178	2
10	297	20.1	7.5	183	2
12	300	23.6	9	189	2
13	301	24.6	9	194	2
14	301	24.6	9	194	2

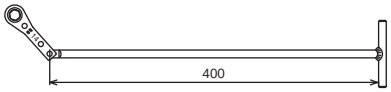
154ML

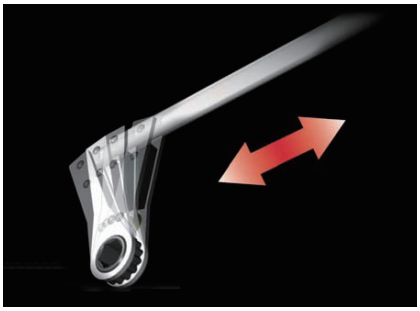
Push and Pull-Ratchets
Hub-Knarren
Clé à cliquet de levage

154ML (mm)	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
10	297	20.1	7.5	230	2
12	300	23.6	9	252	2

1206

Push and Pull-Ratchet
Hub-Knarre
Clé à cliquet de levage





1206	3 Pieces Set/=320g
CARDBOARD BOX	

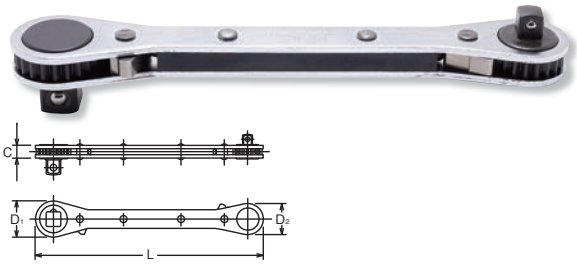
Sockets	Accessory
150.14H Sockets 12, 14	**154K-14**

137

For 1/4" and 3/8" Square Drive Sockets
Für Steckschlüssel mit 1/4" und 3/8" Antrieb
Pour douilles d'un carré conducteur de 1/4" et 3/8"

137	L (mm)	D_1 (mm)	D_2 (mm)	C (mm)	(g)	(pcs.)
	141	23.5	21	9	104	5

1/4" × 3/8"

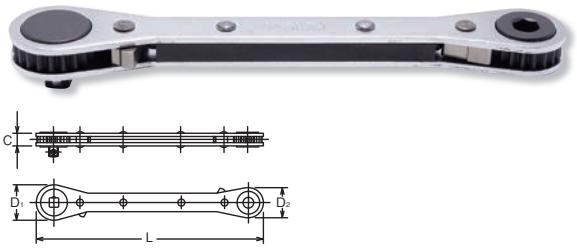


138

For Bits 101
Für Klingen 101
Pour embouts 101

138	L (mm)	D_1 (mm)	D_2 (mm)	C (mm)	(g)	(pcs.)
	141	23.5	21	9	97	10

1/4" × 1/4"

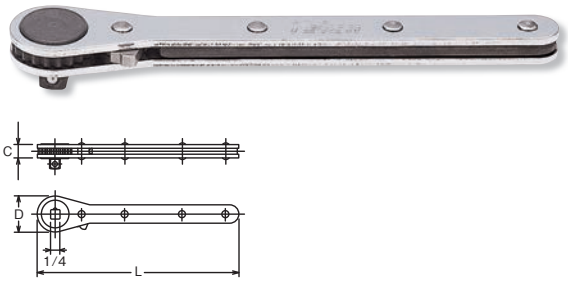


139

For 1/4" Square Drive Sockets
Für Steckschlüssel mit 1/4" Antrieb
Pour douilles d'un carré conducteur de 1/4"

139	L (mm)	D (mm)	C (mm)	(g)	(pcs.)
	125	20.1	7.5	80	10

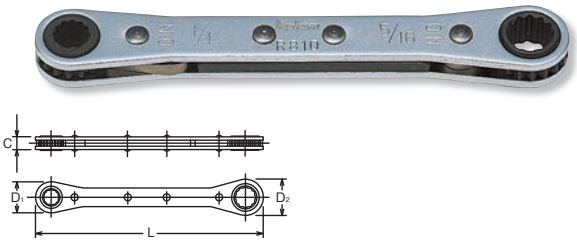
1/4"



R810

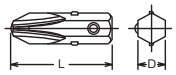
Reversible (12P)
Umstellbar (12P)
Réversible (12P)

R810 (inch)	L (mm)	D_1 (mm)	D_2 (mm)	C (mm)	(g)	(pcs.)
1/4×5/16	108	15.3	16.4	7.5	60	10
3/8×7/16	140	20.1	22.7	7.5	87	10
1/2×9/16	145	23.6	24.6	9	112	10



101P

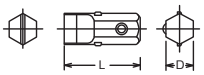
PH Bits
PH Bits
Embouts, PH



101P (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	20.5	3	10
2	6.35	20.5	4	10
3	6.35	20.5	5	10

101S

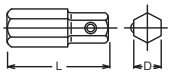
Slotted Bits
Schlitz Bits
Embouts, fente



101S	D (mm)	L (mm)	(g)	(pcs.)
1.0×7	6.35	15	3	10
1.2×7	6.35	15	3	10

101H

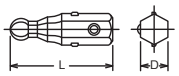
Hex Bits
Sechskant Bits
Embouts, 6 pans creux



101H (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	20.5	5	10
4	6.35	20.5	5	10
5	6.35	20.5	5	10
6	6.35	20.5	6	10
7	6.35	20.5	6	10
8	6.35	20.5	7	10

101B

Ball-point Hex Bits
Sechskant Bits
Embouts, 6 pans creux

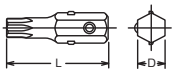


101B (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	4	10
5	6.35	25	5	10
6	6.35	25	5	10

Ball point bits have less strength due to the special design.
Make sure to use them correctly.

101T (T)

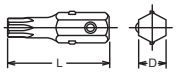
TORX® Bits
TORX® Bits
Embouts, TORX®



101T (T)	D (mm)	L (mm)	(g)	(pcs.)
T 9	6.35	25	4	10
T10	6.35	25	4	10
T15	6.35	25	5	10
T20	6.35	25	5	10
T25	6.35	25	5	10
T27	6.35	25	6	10
T30	6.35	25	6	10

101T (TH)

Tamper-Registant TORX® Bits
TORX® Bits
Embouts, TORX®



101T (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	5	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10

Tamper Resistant TORX® Bits have less strength due to special design.
Make sure to use it correctly.

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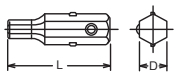
128H

Hex Bits
Sechskant Bits
Embouts, 6 pans creux

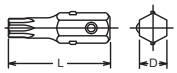
128H (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
8	8	32	13	10



128T

TORX® Bits
TORX® Bits
Embouts, TORX®

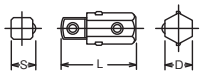
128T (T)	D (mm)	L (mm)	(g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10



101A

Adaptor
Verbindungsstück
Adaptateur

101A	D (mm)	S (mm)	L (mm)	(g)	(pcs.)
	8	6.35	20	8	10



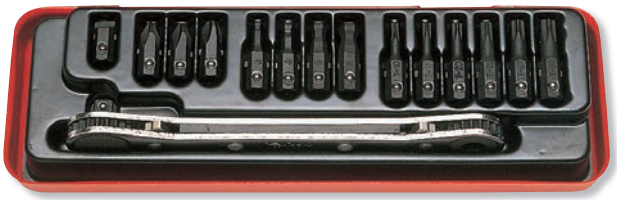
1202

Bit Set
Bit-Satz
Jeu d'embouts

1202 — 15 Pieces Set/⚖=420g

METAL CASE:W190×H60×T30mm

Bits	Accessory
101P PH Bits 1, 2, 3	**138**
101S Slotted Bit 1×7	
101B Ballpoint Hex Bits 3, 4, 5, 6	
101T TORX® Bits T10, T15, T20, T25, T27, T30	



2254M

Bit Set
Bit-Satz
Jeu d'embouts

2254M — 12 Pieces Set/⚖=450g

METAL CASE:W160×H100×T28mm

Bits	Accessories
101P PH Bits 1, 2, 3	**102NA-1/4×5/16**
101S Slotted Bits 1×7, 1.2×7	**2769F**
101H Hex Bits 3, 4, 5	**101A**
	2137

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R810A

Bit Set
Bit-Satz
Jeu d'embouts

R810A	5 Pieces Set/⚖=208g
METAL CASE:W130×H65×T20mm	
Bits	Accessory
101P PH Bits 1, 2, 3	**102NA-1/4×5/16**
101S Slotted Bit 1×7	

R810B

Bit Set
Bit-Satz
Jeu d'embouts

R810B	10 Pieces Set/⚖=268g
METAL CASE:W130×H65×T20mm	
Bits	Accessory
101P PH Bits 1, 2, 3	**102NA-1/4×5/16**
101S Slotted Bit 1×7	
128H Hex Bits 3, 4, 5, 6, 8	

R810C

Bit and Socket Set
Bit und Steckschlüssel Satz
Jeu de douilles et d'embouts

R810C	12 Pieces Set/⚖=227g
METAL CASE:W130×H65×T20mm	
Bits,Sockets	Accessories
101P PH Bits 1, 2, 3	**102NA-1/4×5/16**
101S Slotted Bit 1×7	**101A**
2400M Sockets 5, 6, 7, 8, 9, 10	

R810D

Bit and Socket Set
Bit und Steckschlüssel Satz
Jeu de douilles et d'embouts

R810D	17 Pieces Set/⚖=336g
METAL CASE:W130×H65×T20mm	
Bits,Sockets	Accessories
101P PH Bits 1, 2, 3	**102NA-1/4×5/16**
101S Slotted Bit 1×7	**101A**
128H Hex Bits 3, 4, 5, 6, 8	
2400M Sockets 5, 6, 7, 8, 9, 10	

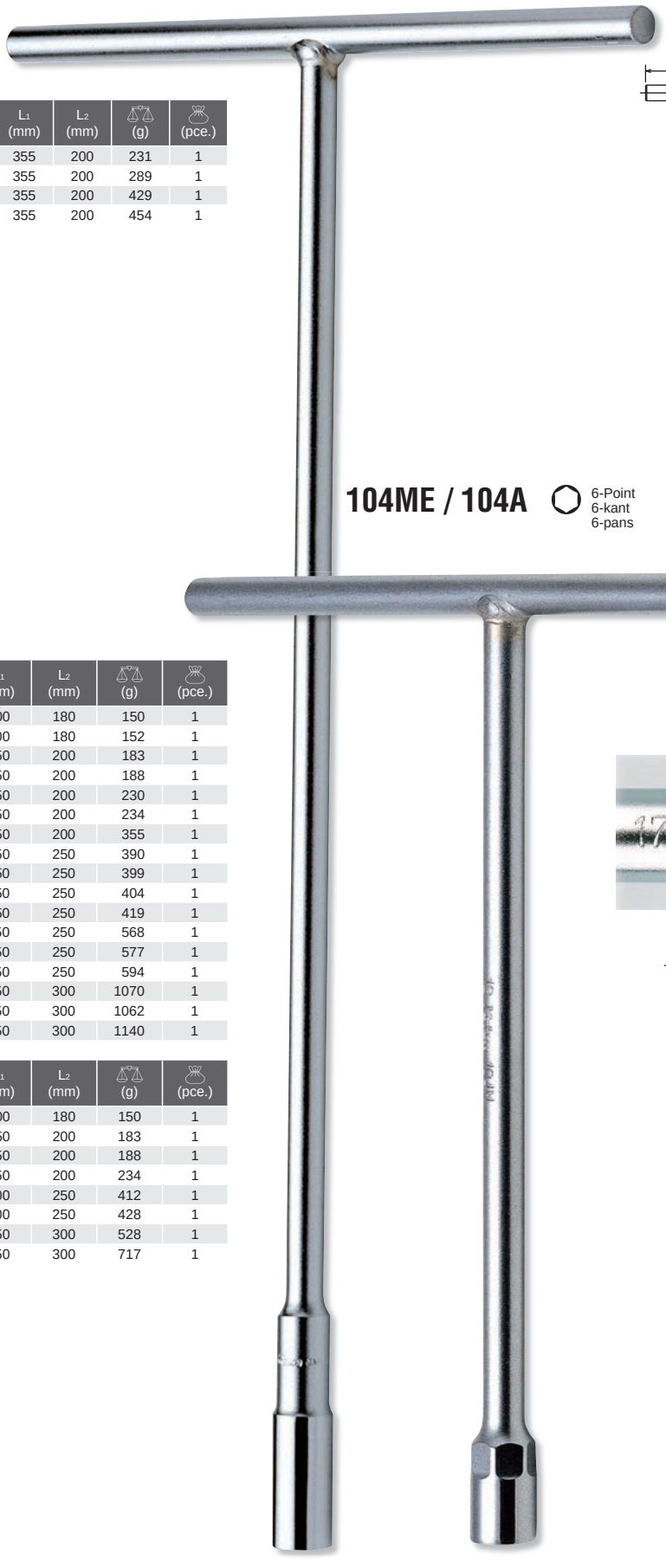
R810E

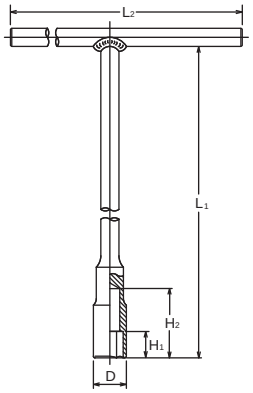
Socket Set
Steckschlüssel Satz
Jeu de clés à douilles

R810E	9 Pieces Set/⚖=445g
METAL CASE:W130×H65×T20mm	
Sockets	Accessories
2300M Deep Sockets 6, 7, 8, 9, 10, 11, 12	**102NA-1/4×5/16**
	101A

156M

6-Point Deep
6-kant, lang
Longues 6-pans

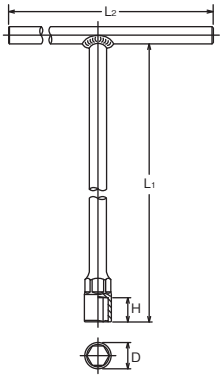




156M (mm)	D (mm)	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)	(g)	(pce.)
8	12	9	41	355	200	231	1
10	14.5	11	41	355	200	289	1
12	16.8	13	41	355	200	429	1
14	20	16	41	355	200	454	1

104ME / 104A

6-Point
6-kant
6-pans



104ME (mm)	D (mm)	H (mm)	L1 (mm)	L2 (mm)	(g)	(pce.)
6	9.5	8	200	180	150	1
7	11	9	200	180	152	1
8	12	10	250	200	183	1
9	14	12	250	200	188	1
10	14	13	250	200	230	1
11	16	14	250	200	234	1
12	18	15	250	200	355	1
13	18.5	17	250	250	390	1
14	20	18	250	250	399	1
15	21	19	250	250	404	1
16	22.5	21	250	250	419	1
17	24	22	250	250	568	1
18	25	23	250	250	577	1
19	26.5	25	250	250	594	1
New **21**	29	27	350	300	1070	1
New **22**	30	28	350	300	1062	1
New **24**	33	30	350	300	1140	1

104A (inch)	D (mm)	H (mm)	L1 (mm)	L2 (mm)	(g)	(pce.)
1/4	9.5	8	200	180	150	1
5/16	12	10	250	200	183	1
3/8	14	12	250	200	188	1
7/16	16	14	250	200	234	1
1/2	18.5	17	300	250	412	1
9/16	20	18	300	250	428	1
5/8	22.5	21	350	300	528	1
3/4	26.5	25	350	300	717	1

3116M

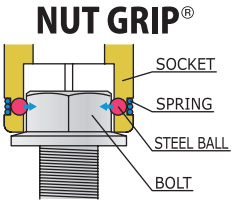
Universal with 6-point Socket
Gelenk mit 6-kant Steckschlüssel
Cardan avec douille 6-pans

3116M (mm)	D (mm)	H (mm)	L_1 (mm)	L_2 (mm)	(g)	(pce.)
10	14.5	8	800	190	796	1
12	17	10.3	800	190	797	1
13	18	11.3	800	190	797	1
14	19.5	11.3	800	190	797	1
15	21	12.8	800	190	799	1
16	22	12.8	800	190	806	1
17	23.6	13.8	800	190	801	1
18	24	13.8	800	190	809	1

124M-600 (2B)

Ball Joint plus Nut Grip Socket
Kugelgelenk mit 2-facher Kugelhalterung
Douilles articulées avec deux billes de retenue

124M-600 (mm)	D (mm)	H (mm)	L_1 (mm)	L_2 (mm)	(g)	(pce.)
8(2B)	12	5	600	200	332	1
10(2B)	14.5	6	600	200	334	1
12(2B)	16.8	7	600	200	424	1
13(2B)	18	8	600	200	425	1
14(2B)	19.5	8.5	600	200	527	1
17(2B)	23.3	9.5	600	200	538	1



NUT GRIP®

NUT GRIP®

Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.

Die zwei Kugeln in der 6-kant Öffnung unserer NUT GRIP Steckschlüssel halten die Schraube sicher im Steckschlüssel. Dies erlaubt ein Arbeiten auch an schwer zugänglichen Stellen.

Les 2 billes dans l'ouverture du 6-pans de la douille retiennent l'écrou de manière sûre et efficace.

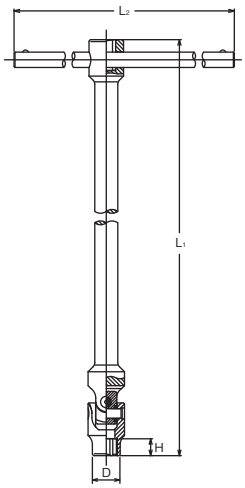
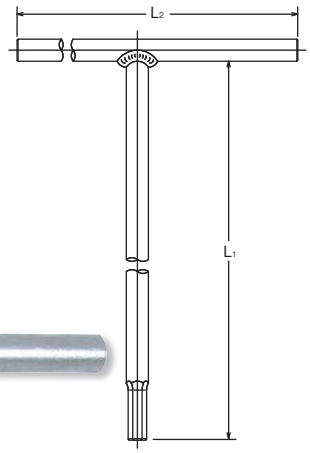


photo: 3116M

157HE

For Inhex Screws
Für Innensechskant-Schrauben
Pour vis à 6-pans creux

157HE (mm)	L1 (mm)	L2 (mm)	(g)	(pce.)
3	250	180	98	1
4	250	180	121	1
5	250	180	158	1
6	250	180	416	1
8	250	180	422	1
10	300	190	440	1
12	320	210	660	1



157T

For TORX® Screws
Für TORX®-Schrauben
Pour vis TORX®

157T (T)	L1 (mm)	L2 (mm)	(g)	(pce.)
T25	250	180	95	1
T27	250	180	96	1
T30	250	180	167	1
T40	250	180	168	1
T45	250	180	213	1
T50	250	180	215	1

157S

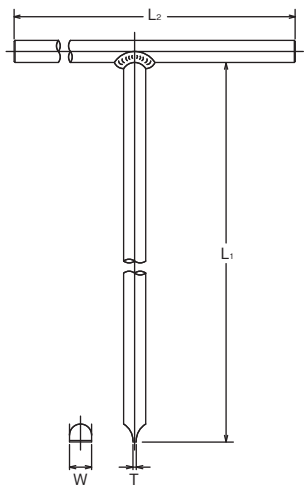
For Slotted Heads
Für Schlitzschrauben
Pour vis à fente

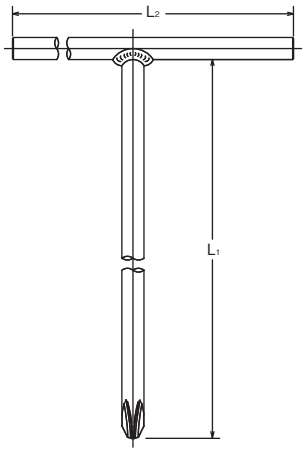
157S	T×W	L1 (mm)	L2 (mm)	(g)	(pce.)
6	1.0×6	200	180	84	1
8	1.2×8	250	180	170	1

157PE

For PH Screws
Für Kreuzschlitzschrauben, PH
Pour vis à empreinte PH

157PE (PH)	L1 (mm)	L2 (mm)	(g)	(pce.)
2	250	180	95	1
3	250	180	170	1





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T-Handles
T-Griffe
Poignées en T

2715 T-Handle
T-Griff
Poignée coulissante

3715 T-Handle
T-Griff
Poignée coulissante

3715S T-Handle
T-Griff
Poignée coulissante

3715SL T-Handle
T-Griff
Poignée coulissante

OVAL SHAPE SHANK

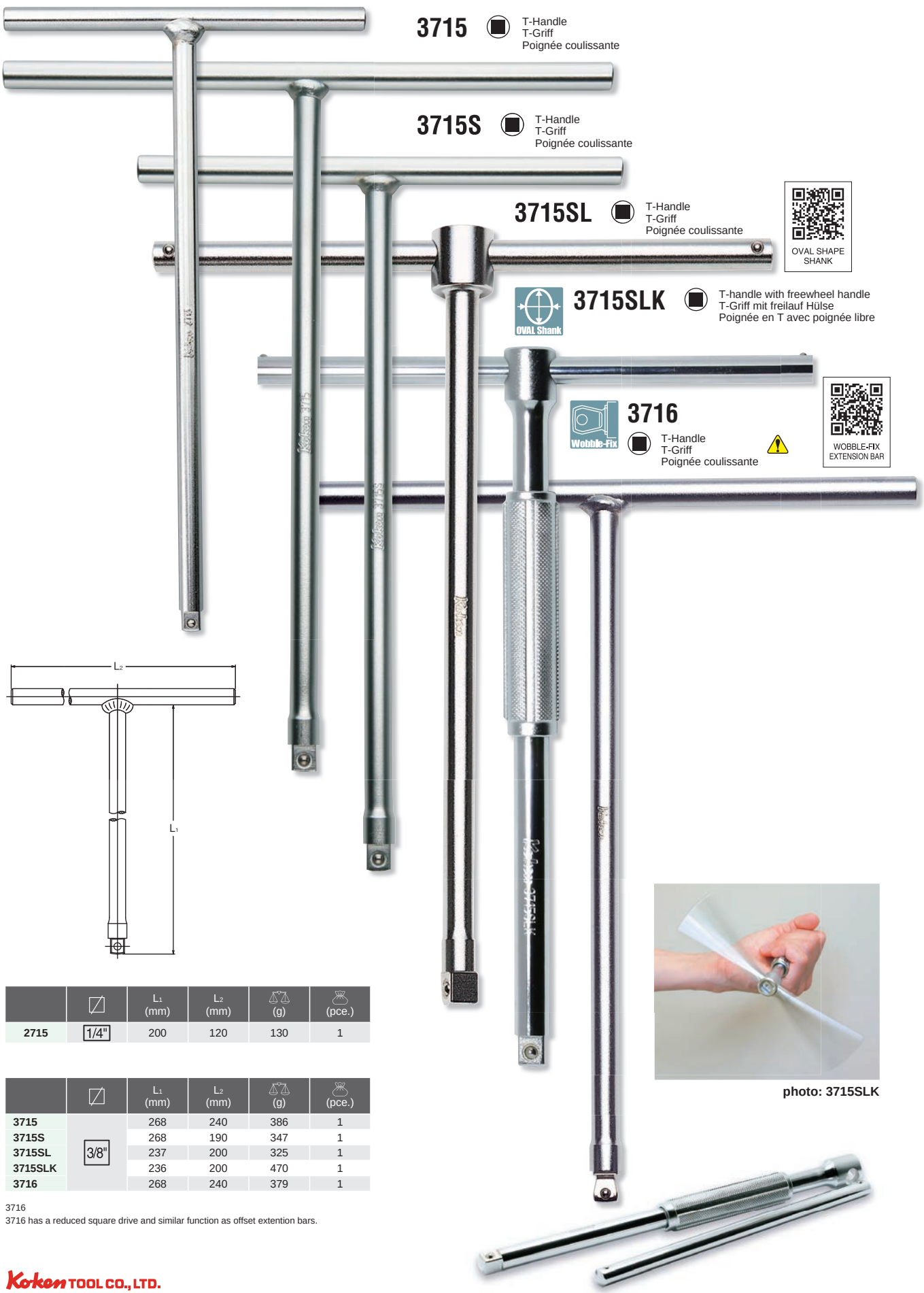
OVAL Shank

3715SLK T-handle with freewheel handle
T-Griff mit freilauf Hülse
Poignée en T avec poignée libre

Wobble-Fix

3716 T-Handle
T-Griff
Poignée coulissante

WOBBLE-FIX EXTENSION BAR



	⧄	L1 (mm)	L2 (mm)	(g)	(pce.)
2715	1/4"	200	120	130	1

	⧄	L1 (mm)	L2 (mm)	(g)	(pce.)
3715	3/8"	268	240	386	1
3715S		268	190	347	1
3715SL		237	200	325	1
3715SLK		236	200	470	1
3716		268	240	379	1

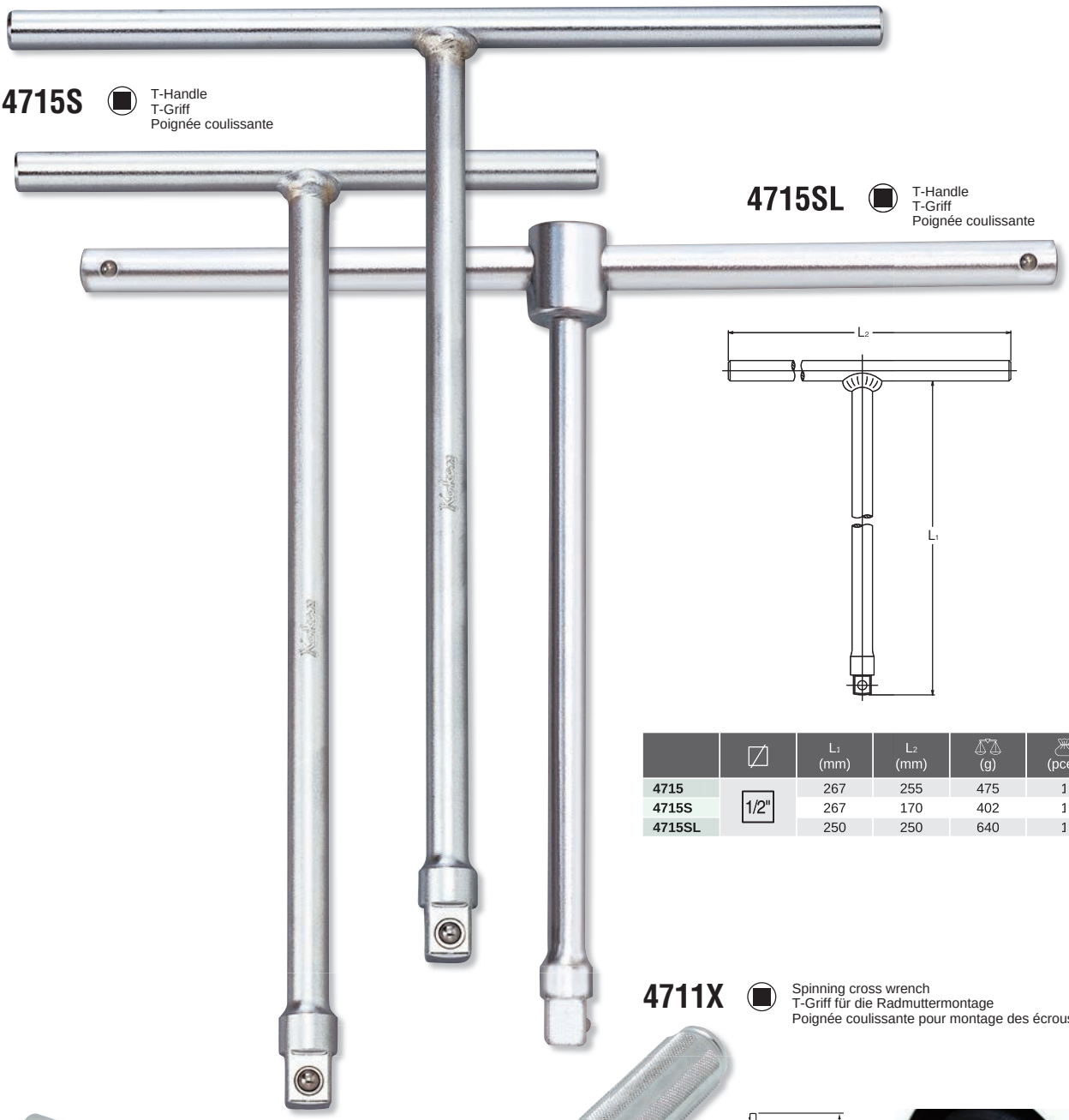
3716
3716 has a reduced square drive and similar function as offset extention bars.

photo: 3715SLK

4715
T-Handle
T-Griff
Poignée coulissante

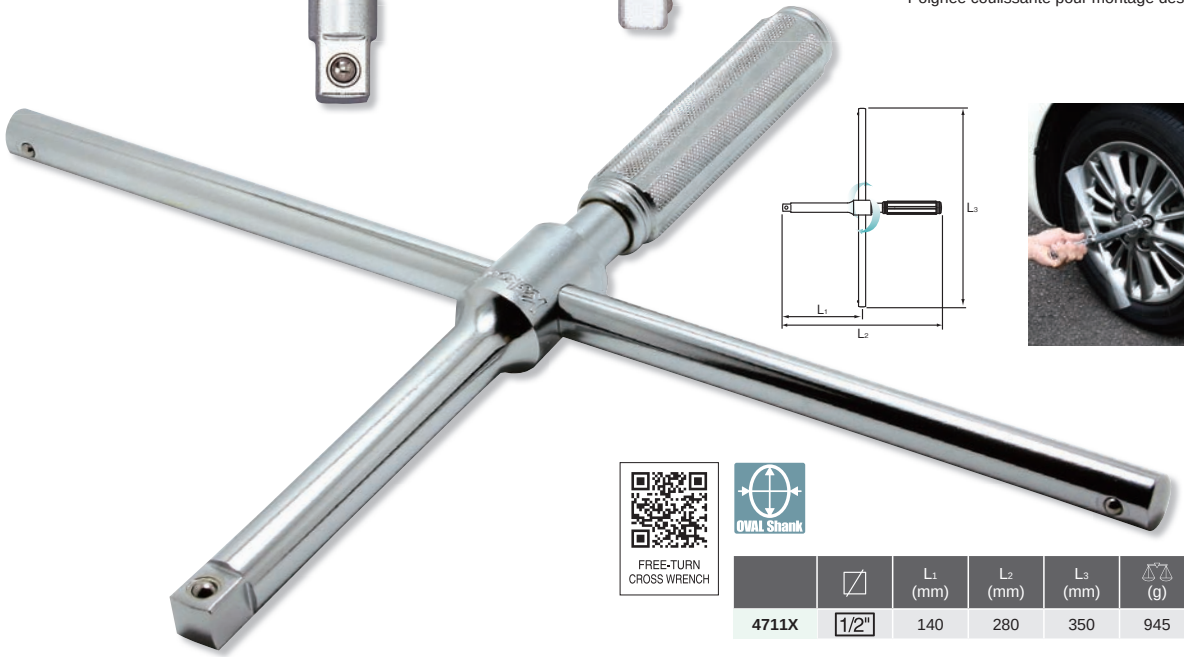
4715S
T-Handle
T-Griff
Poignée coulissante

4715SL
T-Handle
T-Griff
Poignée coulissante



		L1 (mm)	L2 (mm)	(g)	(pce.)
4715	1/2"	267	255	475	1
4715S		267	170	402	1
4715SL		250	250	640	1

4711X
Spinning cross wrench
T-Griff für die Radmuttermontage
Poignée coulissante pour montage des écrous à roue



FREE-TURN
CROSS WRENCH

OVAL Shank

		L1 (mm)	L2 (mm)	L3 (mm)	(g)	(pce.)
4711X	1/2"	140	280	350	945	1

3112G

Attack Driver
Handschlagschrauber
Tournevis à frapper

	⊿	L (mm)	⚖ (g)	(pce.)
3112G	3/8"	159	810	1

ATTACK DRIVER®

	⊿	L (mm)	⚖ (g)	(pce.)
4112G	1/2"	163	810	1
4112N		163	730	1

* 4112N Renewal Kits → **4112RK** ➔P319

4112G

Attack Driver
Handschlagschrauber
Tournevis à frapper

	⊿	L (mm)	⚖ (g)	(pce.)
6112	3/4"	190	1900	1

* Renewal Kits → **6112RK** ➔P319

4112N

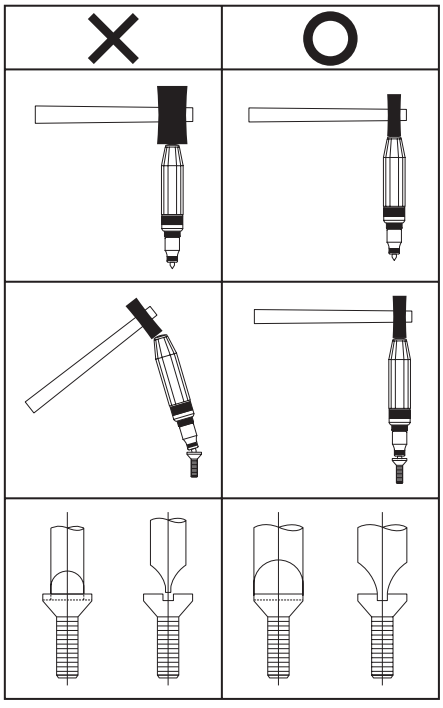
Attack Driver
Handschlagschrauber
Tournevis à frapper

Black finished striking head prevents the problem of peeling.
Das geschwärzte Schlagende vermeidet das Abspringen von Chromteilen.
La finition "black finish" de la tête évite l'écaillement dû au chromage.

6112

Attack Driver
Handschlagschrauber
Tournevis à frapper

ATTACK DRIVER®



AG318A
AG112A

Attack Driver Set
Handschlagschrauber-Satz
Jeu de tournevis à frapper

AG318A — 6 Pieces Set/=1,150g

METAL CASE:W220×H82×T60mm

Bits	Accessories	
100P.32 PH Bits 2, 3		**3112G**
100S.32 Slotted Bits 9, 11		**3138**

AG112A — 6 Pieces Set/=1,150g

METAL CASE:W220×H82×T60mm

Bits	Accessories	
100P.32 PH Bits 2, 3		**4112G**
100S.32 Slotted Bits 9, 11		**4138**

100P, S Bits ➡P168

AG112H

Attack Driver Set
Handschlagschrauber-Satz
Jeu de tournevis à frapper

AG112H — 18 Pieces Set/=1,480g

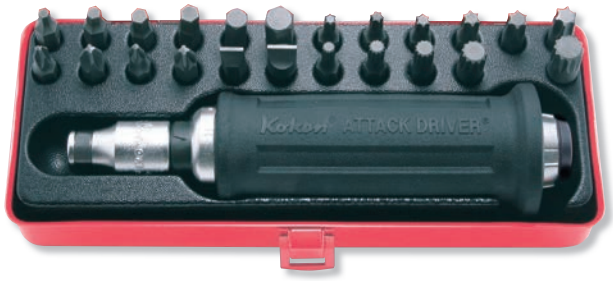
METAL CASE:W220×H82×T60mm

Bits	Accessories	
100P.32 PH Bits 2, 3, 4		**4112G**
100S.32 Slotted Bits 8, 9, 10, 12, 14		**4138**
100H.32 Hex Bits 5, 6, 8, 10		
100T.32 TORX® Bits T30, T40, T45, T50		

100P, S, H, T Bits ➡P168

AG112F

Attack Driver Set
Handschlagschrauber-Satz
Jeu de tournevis à frapper



AG112F — 25 Pieces Set/=1,530g

METAL CASE:W220×H82×T60mm

Bits	Accessories	
100P.32 PH Bits 2, 3		**4112G**
100P.32 PZ Bits PZ2, PZ3		**4138**
100S.32 Slotted Bits 9, 11		
100H.32 Hex Bits 4, 5, 6, 7, 8, 10		
100T.32 TORX® Bits T25, T27, T30, T40, T45, T50		
100X.32 XZN Bits M5, M6, M8, M10, M12		

100P, S, H, T, X Bits ➡P168-169

AN112A

Attack Driver Set
Handschlagschrauber-Satz
Jeu de tournevis à frapper

AN112A — 6 Pieces Set/=1,070g

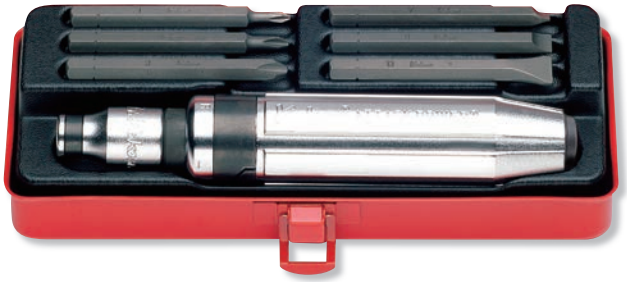
METAL CASE:W190×H59×T45mm

Bits	Accessories	
100P.32 PH Bits 2, 3		**4112N**
100S.32 Slotted Bits 9, 11		**4138**

100P, S Bits ➡P168

AN112C

Attack Driver Set
Handschlagschrauber-Satz
Jeu de tournevis à frapper



AN112C — 8 Pieces Set/=1,350g

METAL CASE:W220×H82×T60mm

Bits	Accessories	
100P.80 PH Bits 1, 2, 3		**4112N**
100S.80 Slotted Bits 7, 9, 12		**4138**

100P, S Bits ➡P168

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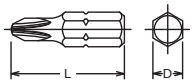
108P-25 / -32 / -50

PH Bits
PH Bits
Embouts, PH



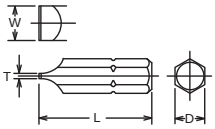
108P-25 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	25	5	10
2	6.35	25	5	10
3	6.35	25	6	10

108P-32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	32	7	10
2	6.35	32	7	10
3	6.35	32	8	10

108P-50 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	50	10	10
2	6.35	50	11	10
3	6.35	50	11	10

108S-25 / -39

Slotted Bits
Schlitz Bits
Embouts, fente

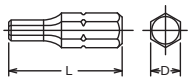


108S-25	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5×3	6.35	25	3	10
4	0.6×4	6.35	25	3	10
4.5	0.6×4.5	6.35	25	4	10
5	0.8×5	6.35	25	5	10
5.5	0.8×5.5	6.35	25	5	10
6	1.0×6	6.35	25	5	10
8	1.2×8	6.35	25	6	10

108S-39	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	0.5×3	6.35	39	6	10
4	0.6×4	6.35	39	6	10
4.5	0.6×4.5	6.35	39	6	10
5	0.8×5	6.35	39	7	10
5.5	0.8×5.5	6.35	39	8	10
6	1.0×6	6.35	39	9	10
8	1.2×8	6.35	39	12	10

108H-25

Hex Bits
Sechskant Bits
Embouts, 6 pans creux

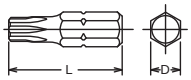


108H-25 (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	6.35	25	4	10
4	6.35	25	5	10
5	6.35	25	5	10
6	6.35	25	6	10
7	6.35	25	7	10
8	6.35	25	8	10
10	6.35	25	11	10

108H-25 (inch)	D (mm)	L (mm)	(g)	(pcs.)
1/8	6.35	25	4	10
9/64	6.35	25	5	10
5/32	6.35	25	5	10
3/16	6.35	25	5	10
7/32	6.35	25	6	10
1/4	6.35	25	7	10

108T-25 (T)

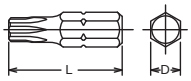
TORX® Bits
TORX® Bits
Embouts, TORX®



108T-25 (T)	D (mm)	L (mm)	(g)	(pcs.)
T 8	6.35	25	4	10
T10	6.35	25	4	10
T15	6.35	25	4	10
T20	6.35	25	5	10
T25	6.35	25	6	10
T27	6.35	25	6	10
T30	6.35	25	6	10
T40	6.35	25	6	10

108T-25 (TH)

Tamper-Resistant TORX® Bits
Tamper-Resistant TORX® Bits
Embouts TORX®, Tamper-Resistant



108T-25 (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	6.35	25	4	10
T15H	6.35	25	4	10
T20H	6.35	25	5	10
T25H	6.35	25	6	10
T27H	6.35	25	6	10
T30H	6.35	25	6	10
T40H	6.35	25	6	10

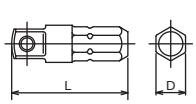
Tamper resistant TORX® Bits have less strength due to special design.
Make sure to use it correctly.

Die manipulationssicheren TORX®-Bits haben aufgrund ihres speziellen Designs eine geringere Festigkeit.
Achten Sie darauf, sie richtig zu verwenden.

Les embouts TORX® à l'abri de manipulation sont moins résistants en raison de leur conception spéciale.
Veuillez les utiliser correctement.

108A

Adaptor
Verbindungsstück
Adaptateur



108A-25	D (mm)	L (mm)	(g)	(pcs.)
1/4B	6.35	25	10	10

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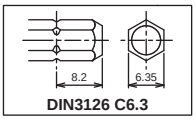
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

2137 3137 4137

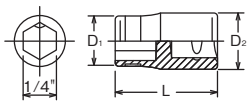
Bit Holder
Klingenhalter
Porte-embouts

	☐	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)
2137	1/4"	12	12	22.5	13	10
3137	3/8"	13	16.5	30	30	10
4137	1/2"	13	22	38	53	10

For DIN3126 C6.3 Bits
Für DIN3126 C6.3 Bits
Pour DIN3126 C6.3 Embouts



D6.3



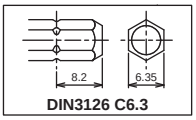
12139 13139 14139

Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

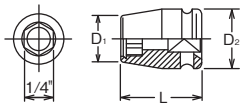
	☐	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
12139	1/4"	11	13	25	15	10	*1
13139	3/8"	11	19	30	32	10	*2
14139	1/2"	11	25	35	62	10	*3

*1 Pin/O-Ring=A21/B21
*2 C-Ring=C31,Pin/O-Ring=A31/B31
*3 C-Ring=C41,Pin/O-Ring=A41/B41
➡P268-269

For DIN3126 C6.3 Bits
Für DIN3126 C6.3 Bits
Pour DIN3126 C6.3 Embouts



D6.3



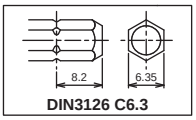
13142-D6.3 14142-D6.3

Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

	☐	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13142-D6.3	3/8"	16	19	45	60	10	*1
14142-D6.3	1/2"	16	25	55	97	10	*2

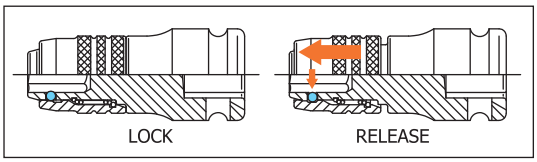
*1 C-Ring=C31,Pin/O-Ring=A31/B31
*2 C-Ring=C41,Pin/O-Ring=A41/B41
➡P268-269

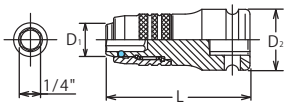
For DIN3126 C6.3 Bits
Für DIN3126 C6.3 Bits
Pour DIN3126 C6.3 Embouts



D6.3

Lock & Quick Release





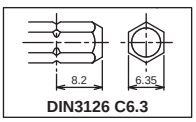
⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.
Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

2749P-1/4HF

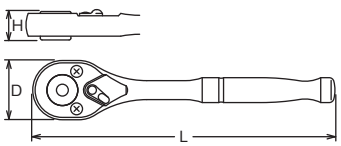
Reversible Ratchet, for Bits 1/4"
Knarre, verstellbar, für Bits 1/4"
Cliquet, réversible pour embouts 1/4"

	D (mm)	H (mm)	L (mm)	(g)	(pce.)
2749P-1/4HF	25	12	125	96	1
2774P-1/4HF	25	12	165	133	1

For DIN3126 C6.3 Bits
Für DIN3126 C6.3 Bits
Pour DIN3126 C6.3 Embouts



D6.3



2774P-1/4HF

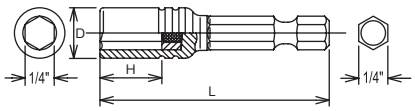
Flexible Ratchet, reversible, for Bits 1/4"
Gelenk-Knarre, verstellbar, für Bits 1/4"
Cliquet á tête articulée pour embouts 1/4"

180M-50

Bit Holder with Magnet
Klingenhalter mit Magnet
Porte-embouts avec aimant

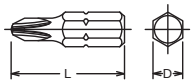
Magnet

	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
180M-50	11	13.5	50	15	10



100P-32 / -80 / -125

PH Bits
PH Bits
Embouts, PH



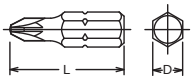
100P-32 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	8	32	11	10
2	8	32	11	10
3	8	32	12	10
4	8	32	12	10

100P-80 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	8	80	30	10
2	8	80	30	10
3	8	80	31	10
4	8	80	32	10

100P-125 (PH)	D (mm)	L (mm)	(g)	(pcs.)
2	8	125	48	10
3	8	125	49	10

100P-32 (PZ)

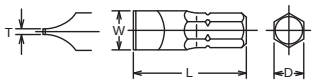
PZ Bits
PZ Bits
Embouts, PZ



100P-32 (PZ)	D (mm)	L (mm)	(g)	(pcs.)
PZ2	8	32	10	10
PZ3	8	32	11	10

100S-32 / -80

Slotted Bits
Schlitz Bits
Embouts, fente

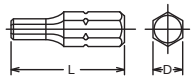


100S-32	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 × 6	8	32	10	10
7	1 × 7	8	32	11	10
8	1.2× 8	8	32	12	10
9	1.6× 9	8	32	12	10
10	1.6×10	8	32	13	10
11	1.6×11	8	32	15	10
12	2 ×12	8	32	18	10
14	2 ×14	8	32	21	10

100S-80	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6	1 × 6	8	80	29	10
7	1 × 7	8	80	30	10
8	1.2× 8	8	80	31	10
9	1.6× 9	8	80	32	10
10	1.6×10	8	80	33	10
11	1.6×11	8	80	33	10
12	2 ×12	8	80	34	10
14	2 ×14	8	80	37	10

100H-32

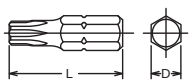
Hex Bits
Sechskant Bits
Embouts, 6 pans creux



100H-32 (mm)	D (mm)	L (mm)	(g)	(pcs.)
3	8	32	11	10
4	8	32	11	10
5	8	32	12	10
6	8	32	12	10
7	8	32	13	10
8	8	32	13	10
9	8	32	16	10
10	8	32	16	10
11	8	32	20	10
12	8	32	23	10
14	8	32	29	10

100T-32 (T)

TORX® Bits
TORX® Bits
Embouts, TORX®



100T-32 (T)	D (mm)	L (mm)	(g)	(pcs.)
T10	8	32	9	10
T15	8	32	9	10
T20	8	32	9	10
T25	8	32	10	10
T27	8	32	10	10
T30	8	32	11	10
T40	8	32	12	10
T45	8	32	12	10
T50	8	32	12	10
T55	8	32	12	10

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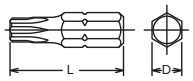
TORX® est une marque déposée de **CAMCAR Innovations.**

100T-32 (TH)

Tamper-Resistant TORX® Bits
Tamper-Resistant TORX® Bits
Embouts TORX®, Tamper-Resistant

100T-32 (TH)	D (mm)	L (mm)	(g)	(pcs.)
T10H	8	32	9	10
T15H	8	32	9	10
T20H	8	32	9	10
T25H	8	32	10	10
T27H	8	32	10	10
T30H	8	32	11	10
T40H	8	32	12	10
T45H	8	32	12	10
T50H	8	32	12	10
T55H	8	32	12	10



Tamper resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.

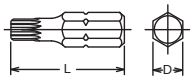
Die manipulationssicheren TORX®-Bits haben aufgrund ihres speziellen Designs eine geringere Festigkeit. Achten Sie darauf, sie richtig zu verwenden.

Les embouts TORX® à l'abri de manipulations sont moins résistants en raison de leur conception spéciale. Veuillez les utiliser correctement.

100X-32 (XZN)

XZN Bits
XZN Bits
Embouts, XZN

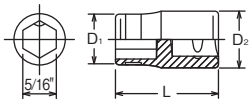
100X-32	D (mm)	L (mm)	(g)	(pcs.)
M 5	8	32	10	10
M 6	8	32	11	10
M 8	8	32	12	10
M10	8	32	16	10
M12	8	32	19	10



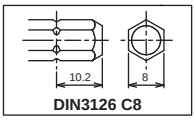
2138 / 3138 / 4138

Bit Holder
Klingenhalter
Porte-embouts

		D₁ (mm)	D₂ (mm)	L (mm)	(g)	(pcs.)
2138	1/4"	16	16	26	32	10
3138	3/8"	16	18	38	55	10
4138	1/2"	16	22	38	62	10



For DIN3126 C8 Bits
Für DIN3126 C8 Bits
Pour DIN3126 C8 Embouts



D8

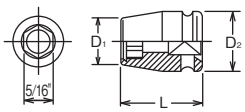
12140 / 13140 / 14140

Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

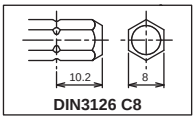
		D₁ (mm)	D₂ (mm)	L (mm)	(g)	(pcs.)	
12140	1/4"	14	13	25	15	10	*1
13140	3/8"	14	19	30	32	10	*2
14140	1/2"	14	25	35	62	10	*3

*1 Pin/O-Ring=A21/B21
*2 C-Ring=C31,Pin/O-Ring=A31/B31
*3 C-Ring=C41,Pin/O-Ring=A41/B41

➔P268-269



For DIN3126 C8 Bits
Für DIN3126 C8 Bits
Pour DIN3126 C8 Embouts



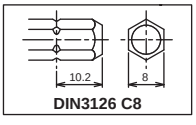
D8

2749P-5/16HF

Reversible Ratchet, for Bits 5/16”
Knarre, verstellbar für Bits 5/16”
Cliquet, réversible pour embouts 5/16”

	D (mm)	H (mm)	L (mm)	(g)	(pce.)
2749P-5/16HF	25	14	125	96	1
2774P-5/16HF	25	14	165	133	1

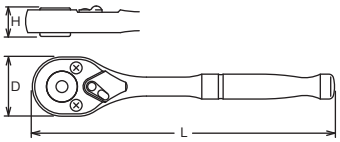
For DIN3126 C8 Bits
Für DIN3126 C8 Bits
Pour DIN3126 C8 Embouts



D8

2774P-5/16HF

Flexible Ratchet, reversible, for Bits 5/16”
Gelenk-Knarre, verstellbar, für Bits 5/16”
Cliquet á tête articulée pour embouts 5/16”



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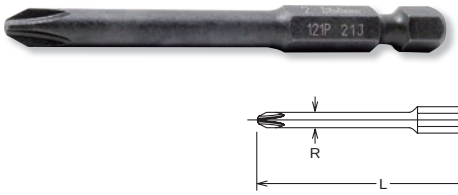
121P-50 / -70 / -100 / -150

PH Bits
PH Bits
Embouts, PH



121P-50 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	50	12	10
2	6.35	5.5	50	12	10
3	6.35	–	50	13	10

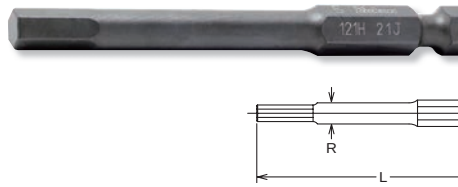
121P-70 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	70	15	10
2	6.35	5.5	70	15	10
3	6.35	–	70	16	10

121P-100 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	100	23	10
2	6.35	5.5	100	23	10
3	6.35	–	100	24	10

121P-150 (PH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
1	6.35	4.5	150	30	10
2	6.35	5.5	150	35	10
3	6.35	–	150	36	10

121H-50 / -70 / -100 / -150

Hex Bits
Sechskant Bits
Embouts, 6 pans creux



121H-50 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	50	11	10
2.5	6.35	3	50	12	10
3	6.35	3.5	50	12	10
4	6.35	4.5	50	12	10
5	6.35	5.6	50	13	10
6	6.35	–	50	14	10

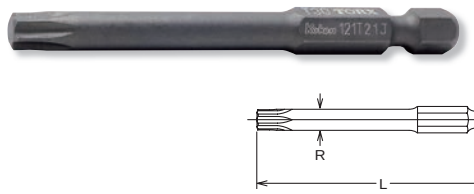
121H-70 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	70	13	10
2.5	6.35	3	70	15	10
3	6.35	3.5	70	15	10
4	6.35	4.5	70	15	10
5	6.35	5.6	70	16	10
6	6.35	–	70	18	10

121H-100 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3	100	22	10
2.5	6.35	3	100	23	10
3	6.35	3.5	100	23	10
4	6.35	4.5	100	23	10
5	6.35	5.6	100	24	10
6	6.35	–	100	26	10

121H-150 (mm)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
2	6.35	3.5	150	35	10
2.5	6.35	3.5	150	35	10
3	6.35	3.5	150	37	10
4	6.35	4.5	150	37	10
5	6.35	5.6	150	38	10
6	6.35	–	150	39	10

121T-50 / -70 / -100 / -150 (T)

TORX® Bits
TORX® Bits
Embouts, TORX®



121T-50 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3	50	12	10
T15	6.35	3.5	50	12	10
T20	6.35	4.1	50	12	10
T25	6.35	4.6	50	12	10
T27	6.35	5.2	50	13	10
T30	6.35	5.7	50	13	10
T40	6.35	–	50	14	10

121T-70 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	70	16	10
T15	6.35	3.5	70	16	10
T20	6.35	4.1	70	16	10
T25	6.35	4.6	70	16	10
T27	6.35	5.2	70	17	10
T30	6.35	5.7	70	17	10
T40	6.35	–	70	18	10

121T-100 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	100	24	10
T15	6.35	3.5	100	24	10
T20	6.35	4.1	100	24	10
T25	6.35	4.6	100	24	10
T27	6.35	5.2	100	24	10
T30	6.35	5.7	100	25	10
T40	6.35	–	100	26	10

121T-150 (T)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T10	6.35	3.5	150	35	10
T15	6.35	3.5	150	37	10
T20	6.35	4.1	150	37	10
T25	6.35	4.6	150	37	10
T27	6.35	5.2	150	37	10
T30	6.35	5.7	150	38	10
T40	6.35	–	150	39	10

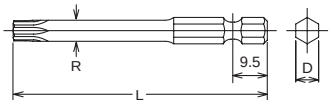
TORX® is a registered trademark of **CAMCAR Innovations.**
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

121T-70 / -100 (TH)

Tamper-Resistant TORX® Bits
Tamper-Resistant TORX® Bits
Embouts TORX®, Tamper-Resistant

121T-70 (TH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T15H	6.35	3.5	70	15	10
T20H	6.35	4.1	70	16	10
T25H	6.35	4.6	70	16	10
T27H	6.35	5.2	70	17	10
T30H	6.35	5.7	70	17	10
T40H	6.35	–	70	18	10

121T-100 (TH)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
T15H	6.35	3.5	100	22	10
T20H	6.35	4.1	100	24	10
T25H	6.35	4.6	100	24	10
T27H	6.35	5.2	100	24	10
T30H	6.35	5.7	100	25	10
T40H	6.35	–	100	26	10



Tamper resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.

Die manipulationssicheren TORX®-Bits haben aufgrund ihres speziellen Designs eine geringere Festigkeit. Achten Sie darauf, sie richtig zu verwenden.

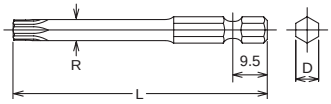
Les embouts TORX® à l'abri de manipulations sont moins résistants en raison de leur conception spéciale. Veuillez les utiliser correctement.

121T-50 / -70 (IP)

TORXPLUS® Bits
TORXPLUS® Bits
Embouts TORXPLUS®

121T-50 (IP)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
20IP	6.35	4.1	50	12	10
25IP	6.35	4.6	50	12	10
27IP	6.35	5.2	50	13	10
30IP	6.35	5.7	50	13	10
40IP	6.35	–	50	14	10

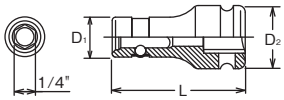
121T-70 (IP)	D (mm)	R (mm)	L (mm)	(g)	(pcs.)
20IP	6.35	4.1	70	16	10
25IP	6.35	4.6	70	16	10
27IP	6.35	5.2	70	17	10
30IP	6.35	5.7	70	17	10
40IP	6.35	–	70	18	10



12137E
13137E
14137E

Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

		D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
12137E	1/4"	12	13	36	22	10	*1
13137E	3/8"	12	19	40	40	10	*2
14137E	1/2"	12	25	48	70	10	*3



*1 Pin/O-Ring=A21/B21
*2 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269
*3 C-Ring=C41, Pin/O-Ring=A41/B41

12137E, 13137E and 14147E can be used with various 1/4" bits, DIN 3126-C6.3, DIN 3126-E6.3 and Double ended type.

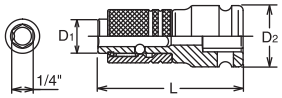
Die neuen Bithalter können für alle 1/4" Bits DIN 3126-C6.3, DIN 3126-E6.3 und für doppelseitige Bits verwendet werden.

Ces nouveaux porte embouts peuvent être utilisés avec tous les embouts 1/4" DIN 3126 E-6.3 et DIN 3126 C6.3

12142-F6.3
13142-F6.3
14142-F6.3

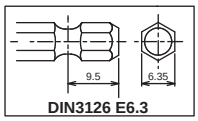
Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embouts Impact (Quick Release)

		D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
12142-F6.3	1/4"	16.5	13	40	22	10	*1
13142-F6.3	3/8"	16.5	19	45	60	10	*2
14142-F6.3	1/2"	16.5	25	55	100	10	*3



*1 Pin/O-Ring=A21/B21
*2 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269
*3 C-Ring=C41, Pin/O-Ring=A41/B41

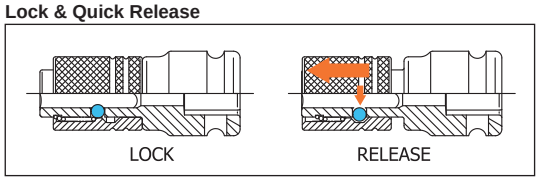
For DIN3126 E6.3 Bits
Für DIN3126 E6.3 Bits
Pour DIN3126 E6.3 Embouts



DIN3126 E6.3

F6.3

Lock & Quick Release



You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

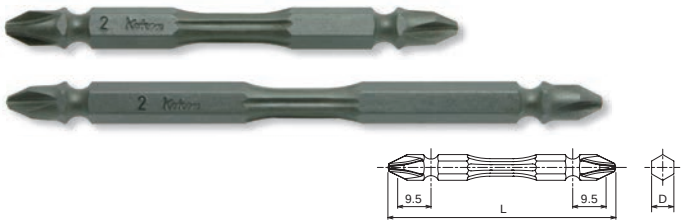
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

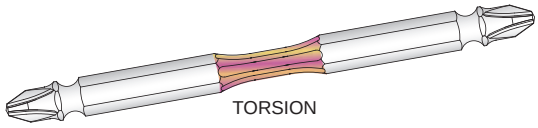
TORXplus is a registered trademark of **CAMCAR Innovations.**
TORXplus ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORXplus est une marque déposée de **CAMCAR Innovations.**

123PT-75 / -100

Double ended Torsion Bits, PH
Doppelseitige Torsionsbits, PH
Embouts torsion double face, PH



123PT (PH)	D (mm)	L (mm)	(g)	(pcs.)
2	6.35	75	18	10
2	6.35	100	24	10

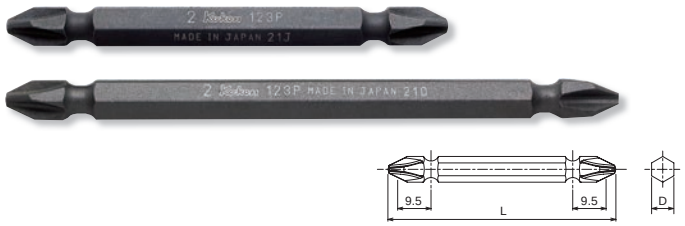


123PN-75 / -100

123PG-75 / -100

Double ended Bits, PH
Doppelseitige bits, PH
Embouts double face, PH

Magnetic type
Magnetisch
Type magnétique



123PN-75 123PG-75 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	75	16	10
2	6.35	75	16	10
3	6.35	75	17	10

123PN-100 123PG-100 (PH)	D (mm)	L (mm)	(g)	(pcs.)
1	6.35	100	23	10
2	6.35	100	23	10
3	6.35	100	24	10

165LM

Slide Socket with Magnet
Gleitsteckschlüssel mit Magnet
Clé à douille coulissante avec aimant

165LM-45 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13.5	3.5	45	55	10
10	16	4.2	45	58	10
12	18.5	5.6	45	65	10
13	20	6	45	68	10
14	21	6.4	45	70	10

Slide the socket by pulling holder, and pull back the socket to lock on the bit groove.
Ring magnet holds a bolt or nut for easy work.

Schieben Sie den Gleitsteckschlussel durch Ziehen an der Hulse des Halters.
Ziehen Sie das Werkzeug soweit zuruck bis es sich in der Nut des Bits verriegelt.
Zur Arbeitserleichterung hält der Ringmagnet die Schraube bzw. die Mutter.

Poussez la clé a douille coulissante en tirant sur le support.
Tirez l'outil vers l'arrière jusqu' à ce qu'il s'enclenche dans rainure de la mèche.
L'aimant maintient la vis ou l'écrou pour faciliter le travail.

You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Sie durfen das Gleitteil nicht wahrend der Bewegung halten, um Erwarmung durch Reibung und unnotigen Verschleis zu vermeiden.

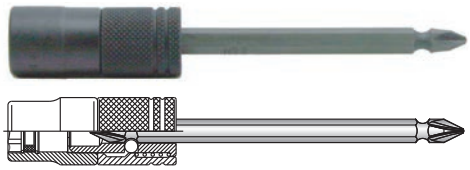
Ne pas tenir la partie coulissante pendant le mouvement pour eviter l'echauffement du au frottement et a l'usure inutile.

Please handle with care. The magnet could be broken with any impacts.

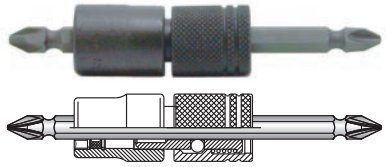
Der Magnet kann durch Stösse beschädigt werden. Bitte gehen Sie vorsichtig vor.

L'aimant peut etre endommage par des chocs importants. Veuillez proceder avec precaution.

Nut Setter



Phillips Bit



165BM

Double-sided socket with side magnets
Doppelseitiger Schiebesteckschlüssel mit Seitenmagneten
Clé à douille double face, coulissante avec aimants latéraux

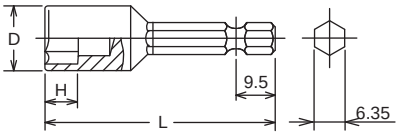
165BM-70 (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8×10	13	16	5	6	70	55	10

165BM-80 (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
10×12	16	19.1	6	8	80	80	10
10×13	16	20.5	8	8	80	80	10

165BM-100 (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
10×12	16	19.1	8	8	100	95	10
10×14	16	21.5	8	10	100	105	10
12×14	19.1	21.5	8	10	100	130	10

113-50

Nut Setters
Steckschlüssel Klingen
Embouts pour écrous

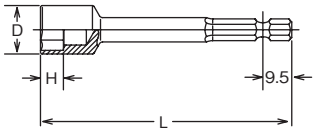


113-50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	9	4	50	15	10
6	10	5	50	17	10
7	11	5	50	19	10
8	12	6	50	20	10
10	14.2	7	50	31	10
11	16	8	50	28	10
12	17	8	50	39	10
13	18	8	50	42	10
14	19	9	50	46	10

113-50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	10	5	50	17	10
5/16	12	6	50	20	10
3/8	14.2	7	50	31	10
1/2	18	8	50	42	10

113-75 / -100 / -150 / -200 / -250

Nut Setters
Steckschlüssel Klingen
Embouts pour écrous



113-75 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	75	31	10
8	12.7	6	75	32	10
10	14.5	7	75	35	10
12	17	8	75	42	10
13	18	8	75	41	10
14	19	9	75	43	10

113-100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	100	40	10
8	12.7	6	100	41	10
10	14.5	7	100	45	10
12	17	8	100	52	10
13	18	8	100	51	10
14	19	9	100	53	10

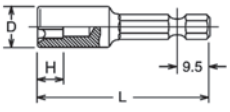
113-150 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	150	59	10
8	12.7	6	150	60	10
10	14.5	7	150	64	10
12	17	8	150	70	10
13	18	8	150	76	10
14	19	9	150	78	10

113-200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	200	78	10
8	12.7	6	200	79	10
10	14.5	7	200	83	10
12	17	8	200	91	10
13	18	8	200	93	10
14	19	9	200	95	10

113-250 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	5	250	99	10
8	12.7	6	250	100	10
10	14.5	7	250	105	10
12	17	8	250	113	10
13	18	8	250	114	10
14	19	9	250	119	10

113-50 (E)

Nut Setters, TORX®
Steckschlüssel Klingen, TORX®
Embouts pour écrous, TORX®

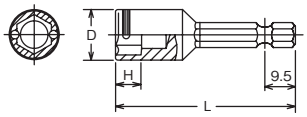


113-50 (E)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	6.1	4.5	50	12	10
E 5	7.5	4.5	50	15	10
E 6	8.3	5.0	50	17	10
E 7	8.8	5.8	50	18	10
E 8	10.1	6.6	50	19	10
E10	12	7.4	50	20	10

113-50 (2B)

Nut Setters, with 2 Balls
Steckschlüssel Klingen, mit 2-facher Kugelhalterung
Douilles à billes de retenue
Nut Grip®

NUT GRIP®



113-50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7(2B)	11	5	50	20	10
8(2B)	12	6	50	21	10
10(2B)	14.2	7	50	26	10
13(2B)	18	8	50	31	10

113-50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/8(2B)	14.2	7	50	26	10

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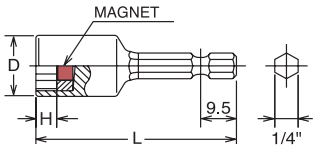
TORX® est une marque déposée de **CAMCAR Innovations.**

115-50

MG Nut Setters with Magnet
Steckschlüssel Klingen mit Magnet
Embouts avec aimant pour écrous

Magnet



115-50 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	9	2.1	50	15	10
6	10	2.4	50	17	10
7	11	2.8	50	19	10
8	12	3.5	50	20	10
10	14.2	4.2	50	29	10
11	16	4.9	50	35	10
12	17	5.6	50	40	10
13	18	6	50	50	10
14	19	6.4	50	60	10

115-50 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	10	2.4	50	17	10
5/16	12	3.5	50	20	10
3/8	14.2	4.2	50	29	10
1/2	18	6	50	50	10

PK115/7

Nut Setters with Magnet, 7 pcs set in plastic case
Steckschlüsselklingen mit Magnet, 7teiliger Satz in Kunststoffkassette
Lames de clé à douille avec aimant, jeu de 7 pièces en cassette plastique

New PK115/7 — 7 Pieces Set/⚖=310g

PLASTIC CASE:W120×H115×T40mm

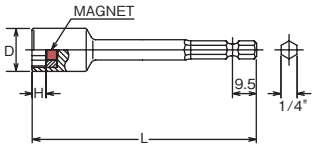
Nut Setters

MG **115-50** Nut Setter with Magnet
1/4, 3/8, 7, 8, 10, 12, 13

115-75 / -100 / -150 / -200 / -250

MG Nut Setters with Magnet
Steckschlüssel Klingen mit Magnet
Embouts avec aimant pour écrous

Magnet



115-75 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	75	32	10
8	12.7	3.5	75	33	10
10	14.5	4.2	75	38	10
12	17	5.6	75	46	10
13	18	6	75	49	10
14	19	6.4	75	52	10

115-100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	100	41	10
8	12.7	3.5	100	42	10
10	14.5	4.2	100	50	10
12	17	5.6	100	58	10
13	18	6	100	62	10
14	19	6.4	100	65	10

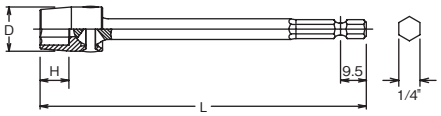
115-150 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	150	60	10
8	12.7	3.5	150	61	10
10	14.5	4.2	150	68	10
12	17	5.6	150	77	10
13	18	6	150	82	10
14	19	6.4	150	85	10

115-200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	200	79	10
8	12.7	3.5	200	80	10
10	14.5	4.2	200	88	10
12	17	5.6	200	97	10
13	18	6	200	102	10
14	19	6.4	200	105	10

115-250 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
7	11.5	2.8	250	101	10
8	12.7	3.5	250	103	10
10	14.5	4.2	250	110	10
12	17	5.6	250	118	10
13	18	6	250	122	10
14	19	6.4	250	124	10

113UN-100 / -150 / -200

6-point Universal Joint Nut Setters
6-kant Steckschlüsselklingen mit Gelenk
Douilles 6-pans articulées à embout



113UN-100 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13	7	100	50	10
10	15	8	100	53	10
12	17	10	100	56	10
13	18	10	100	65	10
14	19.2	10	100	67	10

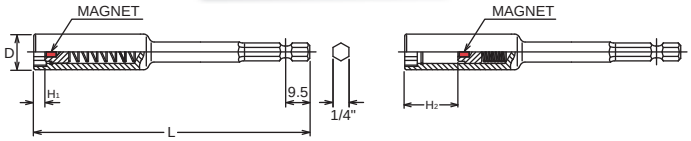
113UN-150 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13	7	150	65	10
10	15	8	150	70	10
12	17	10	150	77	10
13	18	10	150	92	10
14	19.2	10	150	92	10

113UN-200 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	13	7	200	75	10
10	15	8	200	87	10
12	17	10	200	98	10
13	18	10	200	116	10
14	19.2	10	200	116	10

SLIDE MAGNET

115G-75 / -100 / -150 / -200 / -250 / -300

Nut Setters with sliding Magnet
Steckschlüssel Klingen mit versenkbarem Magnet
Embouts avec aimant, glissant pour écrous



115G-75 (mm)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	75	34	10
8	12.7	4	26	75	41	10
10	14.5	4.5	26	75	48	10
12	17	6	26	75	65	10
13	18	6.5	25	75	70	10
14	19	7	24	75	73	10

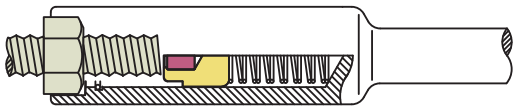
115G-100 (mm)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	100	51	10
8	12.7	4	26	100	51	10
10	14.5	4.5	26	100	57	10
12	17	6	26	100	77	10
13	18	6.5	25	100	80	10
14	19	7	24	100	82	10

115G-150 (mm)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	150	67	10
8	12.7	4	26	150	70	10
10	14.5	4.5	26	150	77	10
12	17	6	26	150	95	10
13	18	6.5	25	150	100	10
14	19	7	24	150	105	10

115G-200 (mm)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)	(pcs.)
7	11.5	3.5	26	200	86	10
8	12.7	4	26	200	89	10
10	14.5	4.5	26	200	96	10
12	17	6	26	200	119	10
13	18	6.5	25	200	125	10
14	19	7	24	200	128	10

115G-250 (mm)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)	(pcs.)
8	12.7	4	26	250	110	10
10	14.5	4.5	26	250	120	10
12	17	6	26	250	130	10
13	18	6.5	25	250	150	10

115G-300 (mm)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)	(pcs.)
New **10**	14.5	4.5	26	300	140	10
New **12**	17	6	26	300	155	10



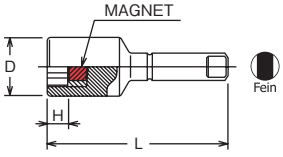
Sliding magnet system provides bolt clearance and magnetic function at the same time. The item 115G is mainly designed for assembly line work.

Die Steckschlüsselklinge mit versenkbarem Magnet bietet die Funktion eines Haltemagneten und genügend Freiraum für überstehende Bolzen. Dieses Werkzeug eignet sich vor allem für Montagearbeiten.

L'embout avec aimant glissant offre une fonction d'aimant et laisse assez d'espace pour des goujons surmontés. L'objet 115G a été conçu spécialement pour le travail d'assemblage.

119

Nut Setters with Magnet
Steckschlüssel Klingen mit Magnet
Embouts avec aimant pour écrous

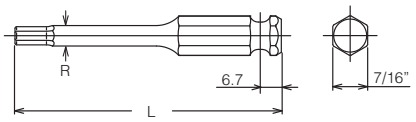


119 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5.5	9	2.1	50	17	10
6	10	2.4	50	20	10
7	11	2.8	50	22	10
8	12	3.5	50	23	10
10	14.2	4.2	50	30	10
12	17	5.6	50	42	10
13	18	6	50	52	10

119 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
1/4	10	1.8	50	20	10
5/16	12	3.5	50	23	10
3/8	14.2	4.2	50	30	10

183H-35 / -75 / -150

Hex Bits
Sechskant Bits
Embouts, 6 pans creux



183H-35 (inch)	L (mm)	(g)	(pcs.)	
3/16	35	15	10	
7/32	35	16	10	
1/4	35	18	10	
5/16	35	20	10	
3/8	35	26	10	
7/16	35	28	10	
1/2	35	38	10	⚠

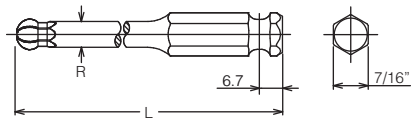
183H-35 (mm)	L (mm)	(g)	(pcs.)	
3	35	15	10	
4	35	15	10	
5	35	15	10	
6	35	18	10	
7	35	19	10	
8	35	20	10	
9	35	23	10	
10	35	26	10	
11	35	28	10	
12	35	30	10	⚠
14	35	35	10	⚠
16	35	47	10	⚠
17	35	50	10	⚠
18	35	53	10	⚠
19	35	56	10	⚠

183H-75 (mm)	L (mm)	R (mm)	(g)	(pcs.)	
3	75	6	34	10	
4	75	6	35	10	
5	75	6.5	36	10	
6	75	7.5	39	10	
7	75	8.5	44	10	
8	75	9.5	47	10	
10	75	–	57	10	
11	75	–	60	10	
12	75	–	65	10	⚠
14	75	–	79	10	⚠

183H-150 (mm)	L (mm)	R (mm)	(g)	(pcs.)	
4	150	6	51	10	
5	150	6.5	55	10	
6	150	7.5	65	10	
8	150	9.5	87	10	
10	150	–	118	10	
12	150	–	136	10	⚠

183H-75B / -150B

Ball-point Hex Bits
Sechskant Bits mit Kugelkopf
Embouts hexagonaux à tête sphérique

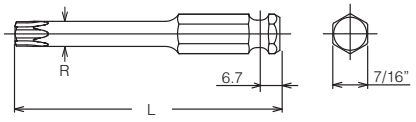


	183H-75B (mm)	L (mm)	R (mm)	(g)	(pcs.)
New	6B	75	5.7	39	10
New	8B	75	7.7	44	10
New	10B	75	9.7	49	10
New	12B	75	11.7	72	10

	183H-150B (mm)	L (mm)	R (mm)	(g)	(pcs.)
New	6B	150	5.7	65	10
New	8B	150	7.7	71	10
New	10B	150	9.7	92	10
New	12B	150	11.7	135	10

183T-35 / -75 / -150 (T)

TORX® Bits
TORX® Bits
Embouts, TORX®



183T-35 (T)	L (mm)	(g)	(pcs.)	
T25	35	18	10	
T30	35	18	10	
T40	35	20	10	
T45	35	22	10	
T50	35	26	10	
T55	35	30	10	
T60	35	38	10	⚠

	183T-75 (T)	L (mm)	R (mm)	(g)	(pcs.)
New	T25	75	6	33	10
New	T27	75	6	33	10
	T30	75	6	35	10
	T40	75	6.9	37	10
	T45	75	8	41	10
	T50	75	9	45	10
	T55	75	11.4	55	10
	T60	75	13.5	67	10

	183T-150 (T)	L (mm)	R (mm)	(g)	(pcs.)
	T30	150	6	50	10
	T40	150	6.9	58	10
	T45	150	8	70	10
	T50	150	9	82	10
	T55	150	11.4	113	10
New	T60	150	13.5	148	10

⚠ The items with ⚠ have larger output sizes than 7/16" Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 7/16" Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 7/16".
En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

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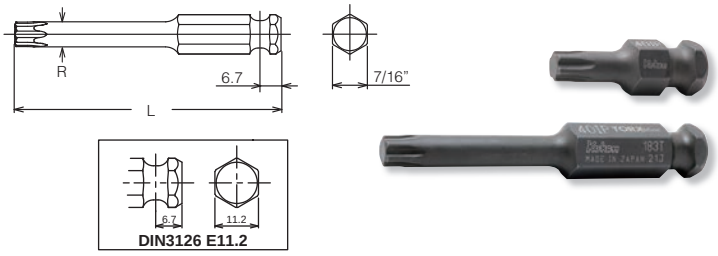
183T-35 / -75 (IP)

TORXPLUS® Bits
TORXPLUS® Bits
Embouts TORXPLUS®

TORX plus®

183T-35 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10

183T-75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10



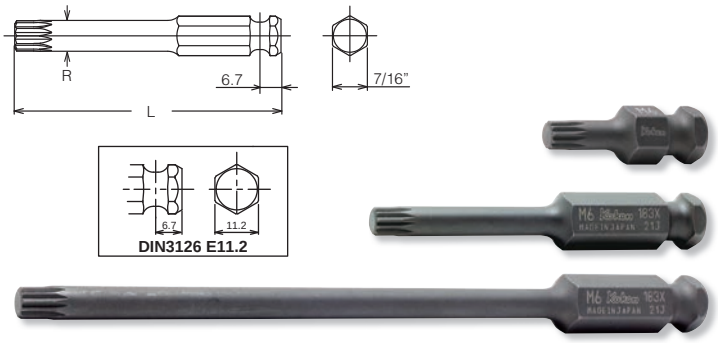
183X-35 / -75 / -150 (XZN)

XZN Bits
XZN Bits
Embouts, XZN

183X-35 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10

183X-75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

183X-150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10
New M14	150	13.5	151	10



The items with ⚠ have larger output sizes than 7/16" Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 7/16" Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

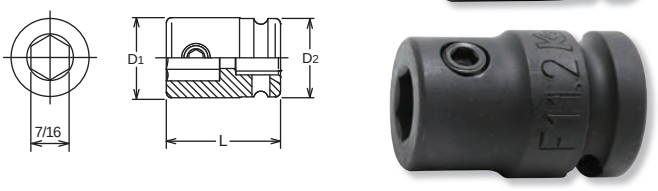
Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 7/16".
En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

13134 / 14134 / 16134

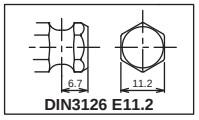
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact

		D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13134	3/8"	24	22	32	70	10	*1
14134	1/2"	24	25	38	90	10	*2
16134	3/4"	24	44	52	200	2	*3

*1 C-Ring=C32,Pin/O-Ring=A32/B32
*2 C-Ring=C41,Pin/O-Ring=A41/B41 ➡P268-269
*3 C-Ring=C61,Pin/O-Ring=A61/B61



For DIN3126 E11.2 Bits
Für DIN3126 E11.2 Bits
Pour DIN3126 E11.2 Embouts



F11.2

16134-SC

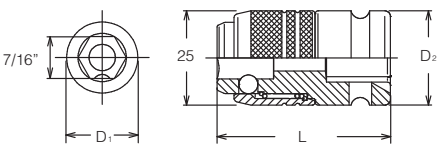
Replacement Screw : M8×6, ⬢ 4mm
Ersatzschraube : M8×6, ⬢ 4mm
Vis de remplacement : M8×6, ⬢ 4mm

13142-F11.2 / 14142-F11.2

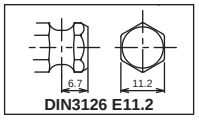
Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embouts Impact (Quick Release)

		D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13142-F11.2	3/8"	18.9	22	46	116	10	*1
14142-F11.2	1/2"	18.9	25	46	207	10	*2

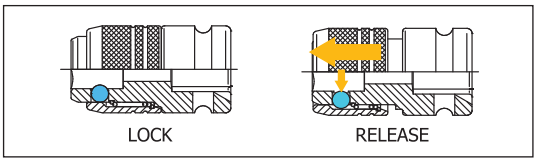
*1 C-Ring=C32,Pin/O-Ring=A32/B32
*2 C-Ring=C41,Pin/O-Ring=A41/B41 ➡P268-269



For DIN3126 E11.2 Bits
Für DIN3126 E11.2 Bits
Pour DIN3126 E11.2 Embouts

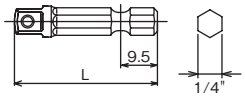


F11.2



110-35B / -50B / -75B / -100B / -150B / -200B
-35P / -50P / -75P / -100P / -150P / -200P

Adaptors
Verbindungsstücke
Adaptateurs

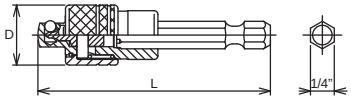


	110	⊠	TYPE	L (mm)	⚖ (g)	👜 (pcs.)
	35B	1/4"	Ball	35	9	10
	35P		Pin	35	9	10
	50B		Ball	50	15	10
	50P		Pin	50	15	10
New	**75B**		Ball	75	25	10
New	**75P**		Pin	75	25	10
	100B		Ball	100	34	10
	100P		Pin	100	34	10
	150B		Ball	150	54	10
	150P		Pin	150	54	10
New	**200B**		Ball	200	73	10
New	**200P**		Pin	200	73	10

DIN 3126 Form E 6.3

110AL-62 / -100 / -150 / -200

Adaptor (Quick Release)
Schnellwechsel-Verbindungsstück
Adaptateur autoserrant



	110AL	⊠	D (mm)	L (mm)	⚖ (g)	👜 (pcs.)
New	**62**	1/4"	16.2	62	37	10
New	**100**		16.2	100	52	10
New	**150**		16.2	150	72	10
New	**200**		16.2	200	92	10

DIN 3126 Form E 6.3

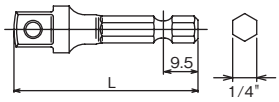
You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

112-50B / -75B / -100B / -150B / -200B
-50P / -75B / -100P / -150P / -200P

Adaptors
Verbindungsstücke
Adaptateurs



	112	⊠	TYPE	L (mm)	⚖ (g)	👜 (pcs.)
	50B	3/8"	Ball	50	21	10
	50P		Pin	50	21	10
New	**75B**		Ball	75	46	10
New	**75P**		Pin	75	46	10
	100B		Ball	100	71	10
	100P		Pin	100	71	10
	150B		Ball	150	121	10
	150P		Pin	150	121	10
New	**200B**		Ball	200	165	10
New	**200P**		Pin	200	165	10

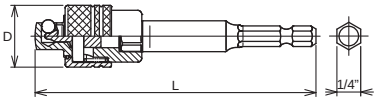
DIN 3126 Form E 6.3

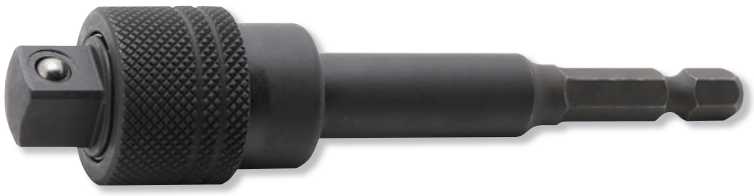
Pin-type Ball-type

DIN 3121 Form E

112AL

Adaptor (Quick Release)
Schnellwechsel-Verbindungsstück
Adaptateur autoserrant





	112AL	□	D (mm)	L (mm)	(g)	(pcs.)
New	**100**	3/8"	22	100	95	10

⬢ DIN 3126 Form E 6.3

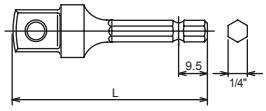
⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

135E-60B / -60P

Adaptor
Verbindungsstück
Adaptateurs

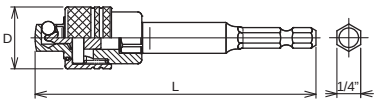


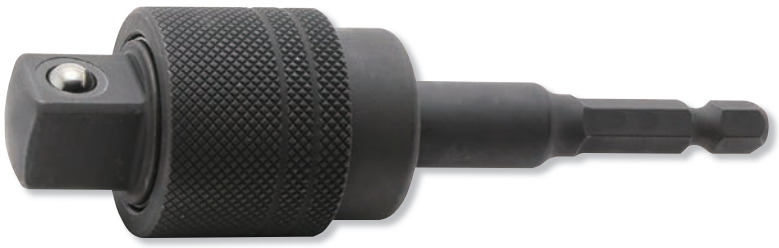
135E	□	TYPE	L (mm)	(g)	(pcs.)
60B	1/2"	Ball	60	46	10
60P		Pin	60	46	10

⬢ DIN 3126 Form E 6.3

135AL

Adaptor (Quick Release)
Schnellwechsel-Verbindungsstück
Adaptateur autoserrant





	135AL	□	D (mm)	L (mm)	(g)	(pcs.)
New	**100**	1/2"	28	100	160	10

⬢ DIN 3126 Form E 6.3

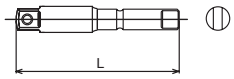
⚠ You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

117-50B / -100B -50P / -100P

Adaptors
Verbindungsstücke
Adaptateurs

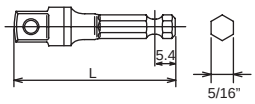


117	⍁	TYPE	L (mm)	⚖ (g)	(pcs.)
50B	1/4"	Ball	50	15	10
50P		Pin	50	15	10
100B		Ball	100	71	10
100P		Pin	100	71	10

◐ DIN 3126 Form G7

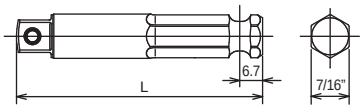
120-50B / -50P

Adaptor
Verbindungsstück
Adaptateurs



120	⍁	TYPE	L (mm)	⚖ (g)	(pcs.)
50B	3/8"	Ball	50	27	10
50P		Pin	50	27	10

⬢ DIN 3126 Form E 8



186	⍁	L (mm)	⚖ (g)	(pcs.)
75P	3/8"	75	65	10
75P	1/2"	75	85	10

⬢ DIN 3126 Form E 11.2

186-75P

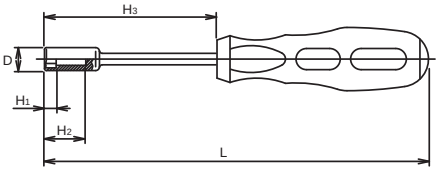
Adaptor
Verbindungsstück
Adaptateurs

DIN3126 ISO1173 Bits	C6.3 (8.2, 6.35)		C8 (10.2, 8)		E6.3 (9.5, 6.35)		E8 (5.4, 8)		E11.2 (6.7, 11.2)		G7 (20, 6, 3.8)	
	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page	No.	Page
PH	**108P series**	*166*	**100P series**	*168*	**121P series** **123P series**	*170/172*						
PZ			**100P(PZ) series**	*168*								
Slotted	**108S series**	*166*	**100S series**	*168*								
HEX	**108H series**	*166*	**100H series**	*168*	**121H series**	*170*			**183H series**	*176*		
HEX (Ball point)									**183H-B series**	*176*		
TORX® (T)	**108T(T) series**	*166*	**100T(T) series**	*168*	**121T(T) series**	*170*			**183T(T) series**	*176*		
TORX® (TH)	**108T(TH) series**	*166*	**100T(TH) series**	*169*	**121T(TH) series**	*171*						
TORXplus® (IP)					**121T(IP) series**	*171*			**183T(IP) series**	*177*		
XZN			**100X series**	*169*					**183X series**	*177*		
6-point					**113 series** **113UN series**	*173/175*						
6-point (with Magnet)					**115 series** **115G series**	*174-175*					**119 series**	*175*
TORX® (E)					**113(E) series**	*173*						
ADAPTOR	**108A**	*166*			**110 series** **112 series** **135 series**	*178-179*	**120 series**	*180*	**186 series**	*180*	**117 series**	*180*
BIT HOLDER	**2137** **3137** **4137** **12139** **13139** **14139** **13142-D6.3** **14142-D6.3** **180M**	*167*	**2138** **3138** **4138** **12140** **13140** **14140**	*169*	**12137E** **13137E** **14137E** **13142-F6.3** **14142-F6.3**	*171*			**13134** **14134** **16134** **13142-F11.2** **14142-F11.2**	*177*		

SCREWDRIVERS
SCHRAUBENDREHER
TOURNEVIS

167M / 167A

Socket Drivers
Sechskant Steckschlüssel, mit Griff
Clé à douille avec manche



167M (mm)	D (mm)	H1 (mm)	H2 (mm)	H3 (mm)	L (mm)	(g)	(pcs.)
3	5.8	3	25	125	225	62	6
3.5	5.8	3	25	125	225	62	6
4	6.7	3.5	25	125	225	64	6
4.5	7.2	4.5	25	125	225	65	6
5	7.8	5	25	125	225	66	6
5.5	8.4	5.5	25	125	225	68	6
6	9.1	6	25	125	225	70	6
7	10.9	6.5	25	125	235	101	6
8	12	7	25	125	235	103	6
9	13.2	7.5	25	125	235	107	6
10	14.5	8	25	125	235	111	6
11	15.9	8.5	25	125	245	155	6
12	16.8	9	25	125	245	161	6
13	18.2	9.5	25	125	245	167	6
14	19.2	11	25	125	245	178	6

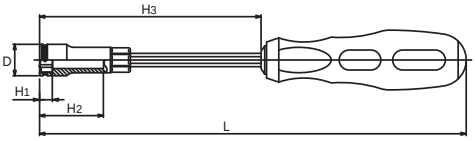
167A (inch)	D (mm)	H1 (mm)	H2 (mm)	H3 (mm)	L (mm)	(g)	(pcs.)
1/4	9.1	6	25	125	225	70	6

167C (2B)

167C/3-2B

Interchangeable Socket Driver, **Nut Grip®**
Universalgriff mit auswechselbaren **Nut Grip®** Steckschlüsselklingen
Clé à douille interchangeable avec mánche NUT **Nut Grip®**

Set 3 pieces
Satz 3teilig
Jeu de 3 tournevis



NUT GRIP®

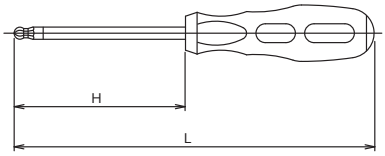
167C(2B) (mm)	D (mm)	H1 (mm)	H2 (mm)	H3 (mm)	L (mm)	(g)	(pcs.)
7(2B)	11.5	4	38	122	235	120	6
8(2B)	12.3	5	38	122	235	125	6
10(2B)	14.2	6	38	122	235	130	6
12(2B)	17.3	7	38	122	235	135	6

167C/3-2B	4 Pieces Set/=280g
PLASTIC BAG	
Socket Drivers	
Socket:	7, 8, 10
Grip:	167C-GRIP

168H-B

Ball Point Hex Screwdrivers
Schraubendreher Innensechskant mit Kugelkopf
Tournevis avec tête sphérique pour vis 6-pans creux

168H (mm)	H (mm)	L (mm)	(g)	(pcs.)
3B	80	150	25	6
4B	125	225	60	6
5B	125	235	85	6
6B	125	245	150	6
7B	125	245	151	6
8B	125	245	153	6

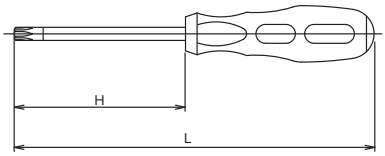


Ball point Hex Screwdrivers have less strength due to the special design. Make sure to use them correctly.

168T (TH)

Screwdriver for TORX® Tamper Resistant
TORX® Schraubendreher Tamper-Resistant
Tournevis pour vis TORX® tamper resistant

168T (TH)	H (mm)	L (mm)	(g)	(pcs.)
T10H	80	150	25	6
T15H	80	150	25	6
T20H	125	225	60	6
T25H	125	225	60	6
T27H	125	235	90	6
T30H	125	235	92	6
T40H	125	245	153	6



Tamper Resistant TORX® Screwdrivers have less strength due to the special design. Make sure to use it correctly.

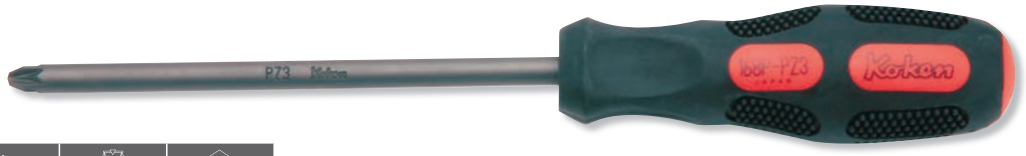
168T/7 (TH)

Set 7 pieces
Satz 7teilig
Jeu de 7 tournevis

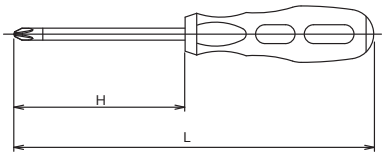
168T/7-TH	(g)
168T-T10H, T15H, T20H, T25H, T27H, T30H, T40H	480

168P (PZ)

Pozidriv Screwdrivers
Schraubendreher, Pozidriv
Tournevis pour vis Pozidriv



168P (PZ)	H (mm)	L (mm)	(g)	(pcs.)
PZ1	75	175	78	6
PZ2	100	210	129	6
PZ3	150	270	203	6



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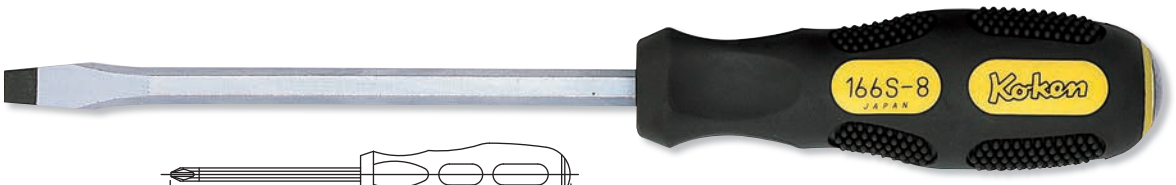
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

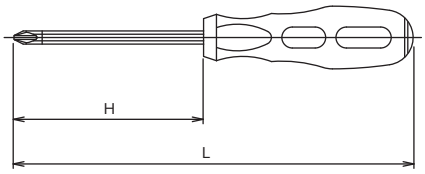
166P

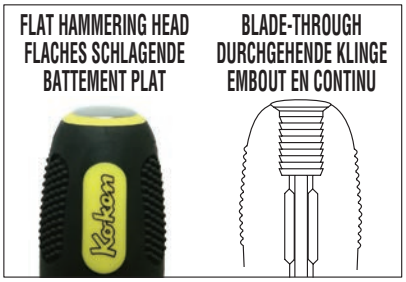
Screwdriver PH (Blade-Through type)
Kreuzschlitz Schraubendreher PH mit durchgehender 6-kant Klinge
Tournevis cruciforme PH avec lame hexagonale traversante

166S

Slotted screwdriver (Blade-Through type)
Schlitz-Schraubendreher mit durchgehender 6-kant Klinge
Tournevis pour vis à fente avec lame hexagonale traversante







166P (PH)	H (mm)	L (mm)	(g)	(pcs.)
1	75	175	78	6
2	100	210	129	6
3	150	270	203	6

166S	H (mm)	L (mm)	(g)	(pcs.)
5	75	175	78	6
6	100	210	129	6
8	150	270	203	6

166PS/6

Set 6 pieces
Satz 6teilig
Jeu de 6 tournevis

166PS/6	6 Pieces Set/=885g
CARDBOARD BOX:W280×H115×T40mm	
Screwdrivers	
166P Screwdrivers 1, 2, 3	
166S Screwdrivers 5, 6, 8	

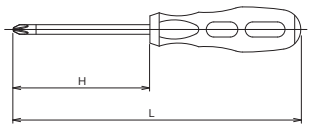
PK166PS/6

Set 6 pieces in Plastic Box
Satz 6teilig in Plastikkassette
Module plastique des 6 tournevis

PK166PS/6	6 Pieces Set/=950g
PLASTIC TRAY	
Screwdrivers	
166P Screwdrivers 1, 2, 3	
166S Screwdrivers 5, 6, 8	

168P
Screwdriver, PH
Schraubendreher, PH
Tournevis à zone de frappe, PH

168S
Slotted Screwdriver
Schlitz-Schraubendreher
Tournevis pour vis à fente



168P (PH)	H (mm)	L (mm)	(g)	(pcs.)
1	75	175	59	6
2	100	210	86	6
2(150)	150	260	100	6
2(200)	200	310	111	6
2(300)	300	410	133	1
3	150	270	150	6

168S	H (mm)	L (mm)	(g)	(pcs.)
5	75	175	59	6
6	100	210	86	6
6(150)	150	260	100	6
6(200)	200	310	111	6
6(300)	300	410	133	1
8	150	270	150	6

168PS/6
Set 6 pieces
Satz 6teilig
Jeu de 6 tournevis

168PS/6 — 6 Pieces Set/⚖=660g

CARDBOARD BOX:W280×H115×T40mm

Screwdrivers

- **168P** Screwdrivers 1, 2, 3
- **168S** Screwdrivers 5, 6, 8

PK168PS/6
Set 6 pieces in Plastic Box
Satz 6teilig in Plastikkassette
Module plastique des 6 tournevis

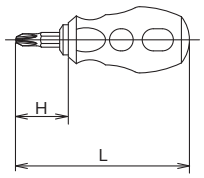
PK168PS/6 — 6 Pieces Set/⚖=720g

PLASTIC TRAY

Screwdrivers

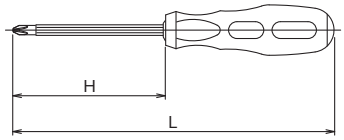
- **168P** Screwdrivers 1, 2, 3
- **168S** Screwdrivers 5, 6, 8

168CS
Interchangeable Screwdriver, Stubby
Schraubendrehergriff für auswechselbare Klinge, kurz
Poignée porte-lames reversible, court



168CS	H (mm)	L (mm)	(g)	(pcs.)
2×6	22	86	46	6

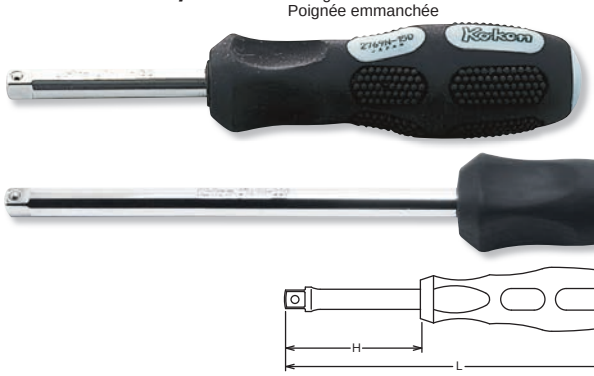
168C
Interchangeable Screwdriver
Schraubendrehergriff für auswechselbare Klingen
Poignée porte-lames reversible



168C	H (mm)	L (mm)	(g)	(pcs.)
2×6	100	210	108	6
2×6(150)	150	260	120	6
2×6(200)	200	310	133	6

2769N-150 / -220

Spin Type Handle
Drehgriff
Poignée emmanchée

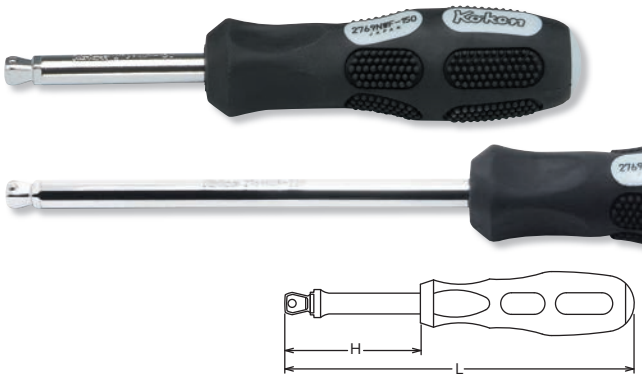


2769N		H (mm)	L (mm)	(g)	(pcs.)
150	1/4"	50	150	73	2
220		120	220	100	2

Plastic or rubber handles are not intended to act as insulation.
Plastik-oder Gummigriffe stellen keinen Isolierschutz dar.
Les poignées en plastique ou en caoutchouc ne garantissent aucune isolation électrique.

2769NWF-150 / -220

Spin Type Handle (Wobble-Fix)
Drehgriff, Wobble-Fix
Poignée emmanchée, angulaire



Wobble-Fix

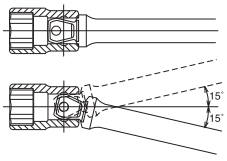
WOBBLE-FIX EXTENSION BAR

2769NWF		H (mm)	L (mm)	(g)	(pcs.)
150	1/4"	50	150	73	2
220		120	220	100	2

Wobble-Fix Extension Bar
Two way usage
a) In a fixed position, as a normal extension bar
b) In a half-fixed position, as a flexible extension bar providing a 15° angle operation

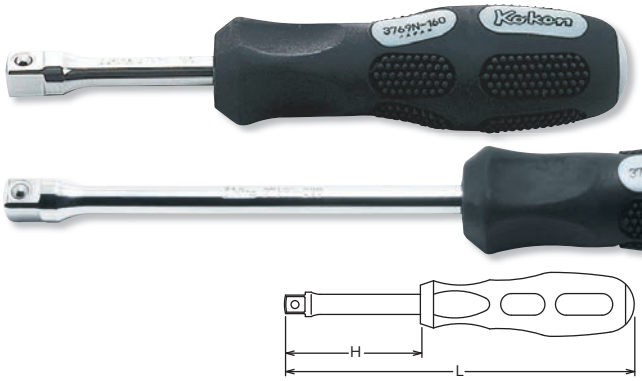
Winkel-Verlängerungen
Winkelverlängerungen lassen sich in zwei Einstellungen verwenden
a) voll eingesteckt und starr,
b) halb eingesteckt, mit elnem Arbeitswinkel von 15°.

Rallonges angulaires
Deux utilisations possibles
a) comme rallonge normale, dans une position fixe
b) comme une rallonge angulaire avec une possibilité d'inclinaison jusqu'à 15°



3769N-160 / -230

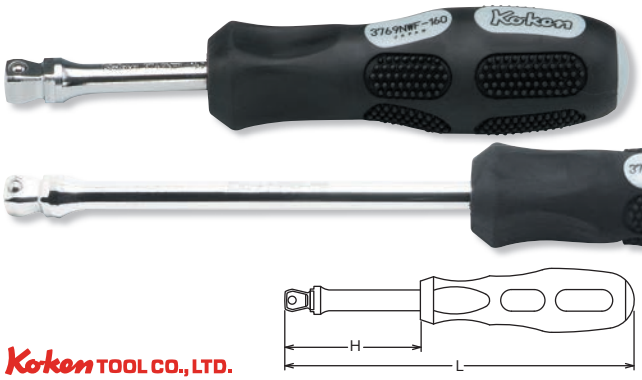
Spin Type Handle
Drehgriff
Poignée emmanchée



3769N		H (mm)	L (mm)	(g)	(pcs.)
160	3/8"	50	160	110	2
230		120	230	135	2

3769NWF-160 / -230

Spin Type Handle (Wobble-Fix)
Drehgriff, Wobble-Fix
Poignée emmanchée, angulaire



Wobble-Fix

WOBBLE-FIX EXTENSION BAR

3769NWF		H (mm)	L (mm)	(g)	(pcs.)
160	3/8"	50	160	110	2
230		120	230	135	2

1/4”

3/8”

1/2”

5/8”

3/4”

1”

1-1/2”

2-1/2”

3-1/2”

IMPACT

SOCKETS
STECKSCHLÜSSEL
DOUILLES

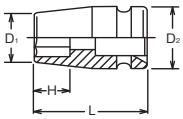
Impact Sockets		Square Drive											
		1/4"(6.35mm)SQ.			3/8"(9.5mm)SQ.			1/2"(12.7mm)SQ.			5/8"(15.9mm)SQ.			3/4"(19mm)SQ.		
		No.		Page	No.		Page	No.		Page	No.		Page	No.		Page
Standard Sockets	6-point	12400M 12400A	mm inch	190 190	13400M 13400A	mm inch	194 194	14400M 14400A	mm inch	212 212	15400M 15400A	mm inch	232 232	16400M 16400A	mm inch	234 234
	6-point (Thin-walled)				13401M 13401A	mm inch	195 195	14401M 14401A	mm inch	213 213				16401M 16401A	mm inch	235 235
	6-point (with Magnet)	12400MG 12400AG	mm inch	190 190	13400MG 13400AG	mm inch	196 196	14400MG	mm	214						
	12-point				13405M 13405A	mm inch	194 194	14405M 14405A	mm inch	212 212				16405M 16405A	mm inch	234 234
	12-point (Thin-walled)				13406M 13406A	mm inch	195 195	14406M 14406A	mm inch	213 213						
	Surface	12410M	mm	190	13410M	mm	196	14410M	mm	214	15410M	mm	232	16410M	mm	235
	PATHFINDER®	12465M	mm	191	13465M	mm	197	14465M	mm	215						
	TORX® (E)	12425	TORX®	191	13425 13425EG	TORX® TORX®	198 198	14425	TORX®	215				16425	TORX®	236
	TORXplus® (EP)				13425-EPL	TORXplus®	198	14425-EPL	TORXplus®	215				16425-EPL	TORXplus®	236
	TORXplus® (EPR)				13425-EPRL	TORXplus®	198									
	LH-S				13401LH	LH-STIX®	199	14401LH	LH-STIX®	214						
	for Self Tapping Screws	12460M 12460A	mm inch	191 191	13460M 13460A	mm inch	197 197									
	for Self Tapping Screws (with Magnet)	12460MG 12460AG	mm inch	191 191	13460MG 13460AG	mm inch	197 197									
	Double Square							14415M	mm	215						
	for Weld Nut				13400-WN		199	14400-WN		215						
Short Sockets	6-point (Thin-walled)				13401MS	mm	196	14401MS	mm	214						
Semi Deep Sockets	6-point (Thin-walled)				13301X	mm	199	14301X	mm	216				16301X	mm	236
	6-point (with Slide Magnet)				13300XG	mm	200									
Deep Sockets	6-point	12300M	mm	192	13300M 13300A	mm inch	200 200	14300M 14300A	mm inch	216 216	15300M	mm	233	16300M 16300A	mm inch	237 237
	6-point (Thin-walled)				13301M 13301A	mm inch	200 200	14301M 14301A	mm inch	217 217				16301M 16301A	mm inch	238 238
	6-point (with Slide Magnet)	12300G	mm	192	13300G	mm	201	14300G	mm	218						
	12-point				13305M	mm	201	14305M	mm	217				16305M	mm	237
	12-point (Thin-walled)				13306M	mm	201	14306M	mm	217						
	Surface				13310M	mm	201	14310M	mm	218	15310M	mm	233	16310M	mm	238
	PATHFINDER®	12365M	mm	192	13365M	mm	201	14365M	mm	218						
	TORX® (E)				13325	TORX®	202	14325	TORX®	218				16325	TORX®	238
Extension Sockets	6-point				13145M	mm	203	14145M	mm	220						
	6-point (with Magnet)				13145MG	mm	203	14145MG	mm	220						
	12-point				13145M(12P)	mm	204									
Universal Sockets	6-point				13440M 13440A	mm inch	202 202	14440M 14440A	mm inch	219 219						
	6-point (Extension)				13146M	mm	204	14146M	mm	221						
	TORX® (E)				13440T	TORX®	202									
Bit Sockets	Hexagon				13012M	mm	205	14012M	mm	222						
	TORX® (T)				13025	TORX®	205	14025	TORX®	222						
Bit Sockets (Bit changeable)	Hexagon				13134M	mm	208	14134M	mm	225				16106-16 16107-22	mm mm	239 241
	TORX® (T)				13134T(T)	TORX®	208	14134T(T)	TORX®	225				16106-16(T)	TORX®	239
	TORXplus® (IP)				13134T(IP)	TORXplus®	208	14134T(IP)	TORXplus®	225						
	XZN (Triple Square)				13134X(XZN)	XZN	208	14134X(XZN)	XZN	225				16106-16(XZN)	XZN	239
Universal Bit Sockets	Hexagon				13430M	mm	202									
	Hexagon (Extension)				13147M	mm	204	14147M	mm	221						
Extension Bars		12760		193	13760		210	14760		228				16760		241
Universal Joints		12770		193	13770 13771 13772		211 211 211	14770 14771 14772		229 229 229	15770		233	16770 16771		242 242
Adaptors		12233A		193	13322A 13344A 13333WA		211 211 210	14433A 14455A 14466A 14444WA		229 229 229 228	15544A 15566A		233 233	16644A 16655A 16688A		242 242 242
Locking Adaptors		12222AL		193	13333AL		210	14444AL 14466AL		228 228	15555AL		233	16666AL 16644AL		242 242

Impact Sockets		Square Drive											
		1"(25.4mm)SQ.			1.1/2"(38.1mm)SQ.			2.1/2"(63.5mm)SQ.			3.1/2"(88.9mm)SQ.		
		No.		Page	No.		Page	No.		Page	No.		Page
Standard Sockets	6-point	18400M 18400A	mm inch	244 244	17400M 17400A	mm inch	254 254	19400M 19400A	mm inch	258 258	10400M 10400A	mm inch	260 260
	6-point (Thin-walled)	18401M 18401A	mm inch	245 245									
	6-point (with Magnet)												
	12-point	18405M 18405A	mm inch	245 245	17405M 17405A	mm inch	255 255						
	12-point (Thin-walled)												
	Surface	18410M	mm	246									
	PATHFINDER®												
	TORX® (E)												
	TORXplus® (EP)												
	TORXplus® (EPR)												
	LH-S												
	for Self Tapping Screws												
	for Self Tapping Screws (with Magnet)												
	Double Square												
	for Weld Nut												
Short Sockets	6-point (Thin-walled)												
Semi Deep Sockets	6-point (Thin-walled)	18301X	mm	247									
	6-point (with Slide Magnet)												
Deep Sockets	6-point	18300M 18300A	mm inch	247 247	17300M 17300A	mm inch	255 255	19300M	mm	259			
	6-point (Thin-walled)	18301M 18301A	mm inch	248 248									
	6-point (with Slide Magnet)												
	12-point												
	12-point (Thin-walled)												
	Surface	18310M	mm	248									
	PATHFINDER®												
	TORX® (E)												
Extension Sockets	6-point	18104M	mm	248									
	6-point (with Magnet)												
	12-point												
Universal Sockets	6-point												
	6-point (Extension)												
	TORX® (E)												
Bit Sockets	Hexagon												
	TORX® (T)												
Bit Sockets (Bit changeable)	Hexagon	18106-16 18107-22 18108-32	mm mm mm	249 251 252	17108-32	mm	256						
	TORX® (T)	18106-16(T)	TORX®	249									
	TORXplus® (IP)												
	XZN (Triple Square)	18106-16(XZN)	XZN	249									
Universal Bit Sockets	Hexagon												
	Hexagon (Extension)												
Extension Bars		18760		252	17760		257	19760		259			
Universal Joints		18770 18771		253 253	17770		257	19770		259			
Adaptors		18866A 18877A		253 253	17788A 17799A		257 257	19977A		259	10099A		260
Locking Adaptors		18888AL		253									

12400M / 12400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

FLAT DRIVE®



12400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5/32	7.5	13	4	23	14	10	*1
3/16	8.1	13	4	23	14	10	*1
7/32	9.4	13	4	23	16	10	*1
1/4	10	13	5	23	14	10	*1
9/32	11.3	13	5	23	14	10	*1
5/16	12.5	13	6	23	14	10	*1
11/32	13.8	13	7	23	14	10	*1
3/8	15	13	7	23	15	10	*1
7/16	16.3	13	8	23	18	10	*1
1/2	18.8	13	8	23	19	10	*1
9/16	20	13	9	23	20	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

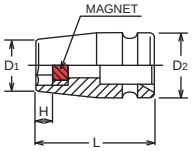
12400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	7.5	13	4	23	14	10	*1
4.5	8.1	13	4	23	14	10	*1
5	8.8	13	4	23	14	10	*1
5.5	9.4	13	4	23	14	10	*1
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	14	10	*1
8	12.5	13	6	23	14	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	15	10	*1
11	16.3	13	8	23	18	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1
14	20	13	9	23	20	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

12400MG / 12400AG

MG 6-point Sockets with Magnet
6-kant Steckschlüssel mit Magnet
Douilles 6-pans avec aimant

Magnet



12400AG (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/16	8.1	13	2.1	23	13	10	*1
1/4	10	13	2.4	23	16	10	*1
5/16	12.5	13	3.5	23	17	10	*1
11/32	13.8	13	3.8	23	18	10	*1
3/8	15	13	4.2	23	18	10	*1
7/16	16.3	13	4.9	23	21	10	*1
1/2	18.8	13	6	25	21	10	*1
9/16	20	13	6.4	25	20	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

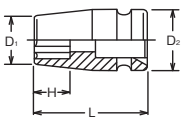
12400MG (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	7.5	13	2.1	23	12	10	*1
4.5	8.1	13	2.1	23	13	10	*1
5	8.8	13	2.1	23	15	10	*1
5.5	9.4	13	2.1	23	15	10	*1
6	10	13	2.4	23	16	10	*1
7	11.3	13	2.8	23	16	10	*1
8	12.5	13	3.5	23	17	10	*1
9	13.8	13	3.8	23	18	10	*1
10	15	13	4.2	23	18	10	*1
11	16.3	13	4.9	23	21	10	*1
12	17.5	13	5.6	25	21	10	*1
13	18.8	13	6	25	21	10	*1
14	20	13	6.4	25	20	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

12410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

SURFACE DRIVE



12410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10	13	5	23	14	10	*1
7	11.3	13	5	23	15	10	*1
8	12.5	13	6	23	15	10	*1
9	13.8	13	7	23	14	10	*1
10	15	13	7	23	14	10	*1
11	16.3	13	8	23	17	10	*1
12	17.5	13	8	23	19	10	*1
13	18.8	13	8	23	19	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

SURFACE DRIVE

Surface drive sockets are designed to retain contact with the flat sides of the nut in order to transmit high torque and reduce nut wear.
These sockets are ideal for using on polished nuts, aluminum nuts and nuts with worn out points.

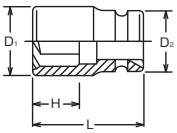
Das Profil unserer Surface-Drive Steckschlüssel greift die Schraube an deren Flächen. Dies sichert eine höhere Kraftübertragung und verhindert ein Durchrutschen des Steckschlüssels. Diese Steckschlüssel eignen sich besonders für polierte Schrauben, Aluminium Schrauben und Schrauben bei denen die Ecken bereits abgerundet sind.

Notre profil Surface Drive assure le contact entre la douille et les plats de l'écrou. Ceci réduit l'usure et permet la transmission d'un couple plus élevé. C'est une solution idéale pour les écrous polies, celles en aluminium ou arrondies.

PATHFINDER®

12465M

Pathfinder Sockets
Pathfinder Steckschlüssel
Douilles Pathfinder



12465M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	23	17	10	*1
11	16.3	13	8	23	18	10	*1
12	17.5	13	9	23	18	10	*1
13	18.8	13	9	23	20	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

PATHFINDER®

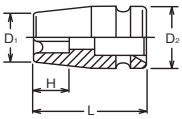
The beveled flats of the 6-points opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for using with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrspindelschrauber) ganz besonders auswirkt.

Les parois en biais des douilles en 6-pans Pathfinder assurent l'engagement quasi immédiat de l'écrou. Le fait de ne pas devoir arrêter la machine après chaque serrage, engendre une productivité supérieure dans les châines de montage automatiques.

12425

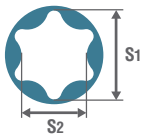
TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



12425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 4	6.6	13	4.6	23	14	10	*1
E 5	7.7	13	5.2	23	15	10	*1
E 6	8.7	13	5.4	23	15	10	*1
E 7	9.2	13	6.6	23	15	10	*1
E 8	9.7	13	7	23	15	10	*1
E10	12.2	13	8.2	23	15	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

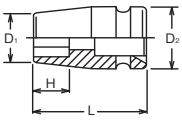
TORX® (E)



E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

12460M / 12460A

For Self-Tapping Screws
Für selbstschneidende Schrauben
Pour vis auto-taraudeuses



12460M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5.5	9.7	13	4	23	15	10	*1
6	10.3	13	5	23	15	10	*1
7	11.6	13	5	23	16	10	*1
8	12.8	13	6	23	16	10	*1
10	15.3	13	7	23	19	10	*1
13	19.1	13	8	23	23	10	*1

12460A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	5	23	15	10	*1
5/16	12.8	13	6	23	16	10	*1
3/8	15.3	13	7	23	19	10	*1
1/2	19.1	13	8	23	23	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

Socket for Self-Tapping Screws without infeed slope.

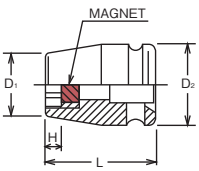
Steckschlüssel für selbstschneidende Schrauben 6-kant ohne Einlaufschräge.

Douille pour vis auto-taraudeuses hexagonales sans biseau d'entrée.

12460MG / 12460AG

MG With Magnet for Self-Tapping Screws
mit Magnet für selbstschneidende Schrauben
avec aimant pour vis auto-taraudeuses

Magnet



12460MG (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5.5	9.7	13	2.1	23	16	10	*1
6	10.3	13	2.4	23	16	10	*1
7	11.6	13	2.8	23	16	10	*1
8	12.8	13	3.5	25	18	10	*1
10	15.3	13	4.2	28	20	10	*1
12	17.9	13	8	30	41	10	*1
13	19.1	13	6	30	23	10	*1
14	20	13	6.4	30	24	10	*1

12460AG (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.3	13	2.4	23	16	10	*1
5/16	12.8	13	3.5	25	18	10	*1
3/8	15.3	13	4.2	28	20	10	*1
7/16	16.6	13	4.9	29	27	10	*1
1/2	19.1	13	6	30	23	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

Socket with Magnet for Self-Tapping Screws without infeed slope.

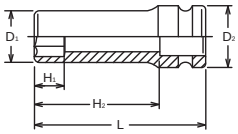
Steckschlüssel mit Magnet für Selbstschneidende Schrauben 6-kant ohne Einlaufschräge.

Douille avec aimant pour vis auto-taraudeuses hexagonales sans biseau d'entrée.

TORX® is a registered trademark of **CAMCAR Innovations.**
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

12300M

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans



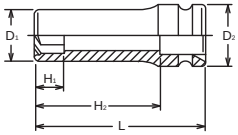
FLAT DRIVE®

12300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
6	10	13	6	38	48	26	10	*1
7	11.3	13	7	38	48	30	10	*1
8	12.5	13	8	38	48	32	10	*1
10	15	13	10	37	48	34	10	*1
11	16.3	13	11	37	48	46	10	*1
12	17.5	13	12	37	48	49	10	*1
13	18.8	13	13	37	48	52	10	*1
14	20	13	14	36	48	57	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

12365M

Pathfinder Sockets, deep
Pathfinder Steckschlüssel, lang
Douilles longues, Pathfinder



PATHFINDER®

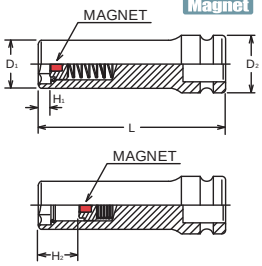
12365M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
10	15	13	8	37	48	34	10	*1
11	16.3	13	8	37	48	46	10	*1
12	17.5	13	9	37	48	49	10	*1
13	18.8	13	9	37	48	52	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

12300G

Impact Socket with Sliding Magnet
Impact Steckschlüssel mit versenkbarem Magnet
Douilles Impact avec aimant, glissant pour écrous

Magnet



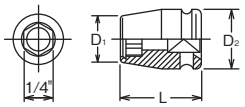
12300G (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
New 7	11.3	13	3.5	25	48	30	10	*1
8	12.5	13	4	22	48	32	10	*1
10	15	13	4.5	20.5	48	34	10	*1
12	17.5	13	6	24.5	48	49	10	*1
13	18.8	13	6.5	23	48	52	10	*1
14	20	13	7	21	48	57	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

SLIDE MAGNET

12139

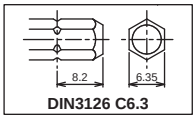
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
12139-1/4	11	13	25	15	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

For DIN3126 C6.3 Bits
Für DIN3126 C6.3 Bits
Pour DIN3126 C6.3 Embouts

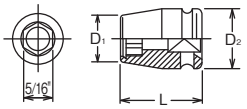


DIN3126 C6.3

D6.3

12140

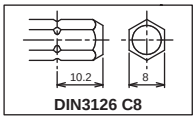
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
12140-5/16	14	13	25	15	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

For DIN3126 C8 Bits
Für DIN3126 C8 Bits
Pour DIN3126 C8 Embouts

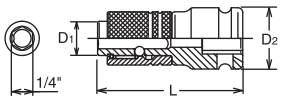


DIN3126 C8

D8

12142-F6.3

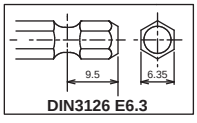
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
12142-F6.3	16.5	13	40	22	10	*1

*1 Pin/O-Ring=A21/B21 ➡P269

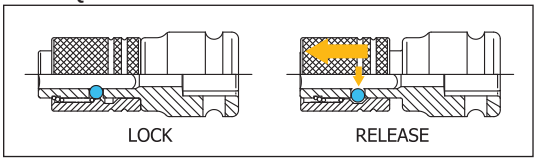
For DIN3126 E6.3 Bits
Für DIN3126 E6.3 Bits
Pour DIN3126 E6.3 Embouts



DIN3126 E6.3

F6.3

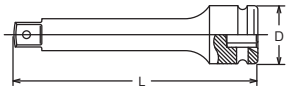
Lock & Quick Release



You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

12760

Extension Bars
Verlängerungen
Rallonges



	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
12760-55P	Pin	13	55	26	10	*1
12760-75P	Pin	13	75	45	10	*1
12760-100P	Pin	13	100	50	10	*1
12760-150P	Pin	13	150	60	10	*1
12760-200P	Pin	13	200	80	10	*1

	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
12760-55	Hole	13	55	26	10	*1
12760-75	Hole	13	75	45	10	*1
12760-100	Hole	13	100	50	10	*1
12760-150	Hole	13	150	60	10	*1
12760-200	Hole	13	200	80	10	*1

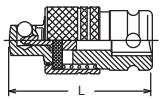
*1 Pin/O-Ring=A21/B21 ➔P269

Pin-type **Hole-type**

LOCKING ADAPTOR

12222AL

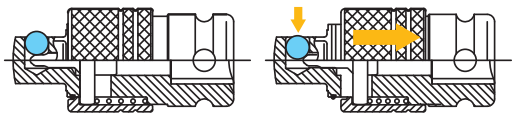
Adaptor (Quick Release)
Schnellwechsel-Verbindungsstück
Adaptateur autoserrant



	L (mm)	(g)	(pcs.)	
12222AL	35	30	10	*1

*1 Pin/O-Ring=A21/B21 ➔P269

Lock & Quick Release



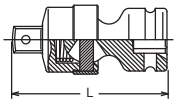
You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d’éviter l’échauffement par frottement et la réduction par usure la réduction par l’usure.

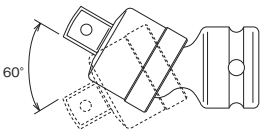
12770

Universal Joint
Gelenk-Einsatz
Joint articulé



	TYPE	L (mm)	(g)	(pcs.)	
12770-P	Pin	39	30	10	*1
12770	Hole	39	30	10	*1

*1 Pin/O-Ring=A21/B21 ➔P269



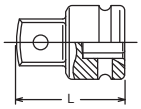
Our ball joints are spring-loaded and can therefore be adjusted to an angle of max. 30°.

Unsere Kugelgelenke sind federbelastet dadurch sind sie auf einen Winkel von max 30° einstellbar.

Nos joints à rotule sont à ressort et peuvent donc être réglés jusqu’à un angle de 30° maximum.

12233A

Adaptor
Verbindungsstück
Augmentateur



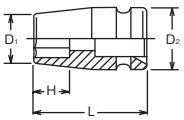
	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
12233A-P	Pin	1/4”	3/8"	22	15	10	*1
New 12233A-B	Ball	1/4"	3/8"	22	15	10	*1
12233A	Hole	1/4"	3/8”	22	15	10	*1

*1 Pin/O-Ring=A21/B21 ➔P269

13400M / 13400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

FLAT DRIVE®



13400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269

13400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	5	32	40	10	*1
7	12	19	5	32	40	10	*1
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	41	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2
20	28.3	22	12	32	70	10	*2
21	29.5	22	12	32	71	10	*2
22	30.8	22	13	32	72	10	*2
23	32	22	13	32	75	10	*2
24	33.3	22	13	32	78	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269

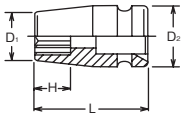
RS13400M/11

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS13400M/11	11 Pieces Set/Rail 300mm	(g)
New	**8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19**	630

13405M / 13405A

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



13405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	5	32	40	10	*1
5/16	13.3	19	6	32	40	10	*1
3/8	15.8	19	7	32	40	10	*1
7/16	17	19	8	32	41	10	*1
1/2	19.5	22	10	32	56	10	*2
9/16	20.8	22	10	32	56	10	*2
5/8	23.3	22	11	32	57	10	*2
11/16	24.5	22	12	32	60	10	*2
3/4	27	22	12	32	67	10	*2
13/16	29.5	22	12	32	71	10	*2
7/8	30.8	22	13	32	72	10	*2

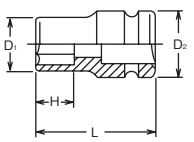
*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269

13405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	41	10	*1
12	18.3	19	9	32	43	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269

13401M / 13401A

6-point Socket, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 6-pans



13401M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2
23	31	21.5	13	32	73	10	*2
24	32.3	21.5	13	32	75	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➡P268-269

13401A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➡P268-269

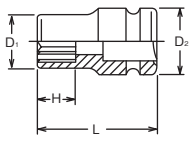
RS13401M/9

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS13401M/9	9 Pieces Set/Rail 250mm	(g)
	8, 10, 12, 13, 14, 17, 19, 21, 22	505

13406M / 13406A

12-point Socket, Thin Walled
12-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 12-pans



13406M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	9.8	18.5	5	32	28	10	*1
7	11	18.5	5	32	30	10	*1
8	12.3	18.5	6	32	31	10	*1
9	13.5	18.5	7	32	32	10	*1
10	14.8	18.5	7	32	34	10	*1
11	16	18.5	8	32	35	10	*1
12	17.3	18.5	9	32	36	10	*1
13	18.5	21.5	10	32	43	10	*2
14	19.8	21.5	10	32	49	10	*2
15	21	21.5	11	32	49	10	*2
16	22.3	21.5	11	32	51	10	*2
17	23.5	21.5	12	32	54	10	*2
18	24.8	21.5	12	32	57	10	*2
19	26	21.5	12	32	60	10	*2
20	27.3	21.5	12	32	65	10	*2
21	28.5	21.5	12	32	70	10	*2
22	29.8	21.5	13	32	73	10	*2
23	31	21.5	13	32	73	10	*2
24	32.3	21.5	13	32	75	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➡P268-269

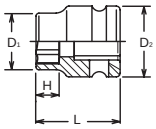
13406A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	9.8	18.5	5	32	28	10	*1
5/16	12.3	18.5	6	32	31	10	*1
3/8	14.8	18.5	7	32	34	10	*1
7/16	16	18.5	8	32	35	10	*1
1/2	18.5	21.5	10	32	43	10	*2
9/16	19.8	21.5	10	32	49	10	*2
5/8	22.3	21.5	11	32	51	10	*2
11/16	23.5	21.5	12	32	54	10	*2
3/4	26	21.5	12	32	60	10	*2
13/16	28.5	21.5	12	32	70	10	*2
7/8	29.8	21.5	13	32	73	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➡P268-269

13401MS

6-point short sockets, Thin Walled
6-kant Steckschlüssel kurz, dünnwandig
Douilles 6-pans courtes, a paroi mince

thin



13401MS (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12.3	18.5	6	22	25	10	*1
10	14.8	18.5	6	22	25	10	*1
11	16	18.5	10	22	24	10	*1
12	17.3	18.5	10	22	20	10	*1
13	18.5	21.5	10	22	30	10	*2
14	19.8	21.5	10	22	30	10	*2
15	20.9	21.5	10	25	38	10	*2
16	22.3	21.5	10	25	39	10	*2
17	23.5	21.5	10	25	41	10	*2
18	24.8	21.5	10	25	43	10	*2
19	26	21.5	10	25	44	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269

RS13401MS/11

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

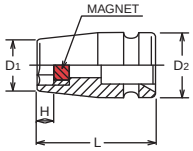
thin

RS13401MS/11	11 Pieces Set/Rail 300mm	(g)
8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19		400

13400MG / 13400AG

6-point Sockets with Magnet
6-kant Steckschlüssel mit Magnet
Douilles 6-pans avec aimant

Magnet



13400AG (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	2.4	32	46	10	*1
5/16	13.3	19	3.5	32	45	10	*1
11/32	14.5	19	3.8	32	44	10	*1
3/8	15.8	19	4.2	32	49	10	*1
7/16	17	19	4.9	32	50	10	*1
1/2	19.5	22	6	32	70	10	*2
9/16	20.8	22	6.4	32	76	10	*2
5/8	23.3	22	7	32	88	10	*2
11/16	24.5	22	7.5	32	95	10	*2
3/4	27	22	8	32	116	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269

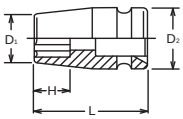
13400MG (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	2.4	32	46	10	*1
7	12	19	2.8	32	45	10	*1
8	13.3	19	3.5	32	45	10	*1
9	14.5	19	3.8	32	44	10	*1
10	15.8	19	4.2	32	49	10	*1
11	17	19	4.9	32	50	10	*1
12	18.3	19	5.6	32	55	10	*1
13	19.5	22	6	32	70	10	*2
14	20.8	22	6.4	32	76	10	*2
15	22	22	6.8	32	76	10	*2
16	23.3	22	7	32	88	10	*2
17	24.5	22	7.5	32	95	10	*2
18	25.8	22	7.8	32	105	10	*2
19	27	22	8	32	116	10	*2
21	29.5	22	8	32	125	10	*2
22	30.8	22	9.5	32	135	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269

13410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

SURFACE DRIVE



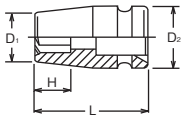
13410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	5	32	40	10	*1
7	12	19	5	32	40	10	*1
8	13.3	19	6	32	40	10	*1
9	14.5	19	7	32	40	10	*1
10	15.8	19	7	32	40	10	*1
11	17	19	8	32	42	10	*1
12	18.3	19	9	32	50	10	*1
13	19.5	22	10	32	56	10	*2
14	20.8	22	10	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	12	32	62	10	*2
19	27	22	12	32	67	10	*2
22	30.8	22	13	32	72	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269

PATHFINDER®

13465M

Pathfinder Sockets
Pathfinder Steckschlüssel
Douilles Pathfinder

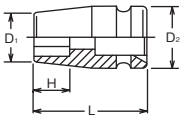


13465M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	32	40	10	*1
10	15.8	19	8	32	43	10	*1
11	17	19	8	32	44	10	*1
12	18.3	19	9	32	47	10	*1
13	19.5	22	9	32	55	10	*2
14	20.8	22	11	32	56	10	*2
15	22	22	11	32	56	10	*2
16	23.3	22	11	32	57	10	*2
17	24.5	22	12	32	60	10	*2
18	25.8	22	13	32	63	10	*2
19	27	22	13	32	66	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➡P268-269

13460M / 13460A

For Self-Tapping Screws
Für selbstschneidende Schrauben
Pour vis auto-taraudeuses



13460M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	11.4	19	5	32	43	10	*1
7	12.8	19	5	32	44	10	*1
8	14.1	19	6	32	44	10	*1
10	16.6	19	7	32	45	10	*1
12	19	19.2	9	32	48	10	*2
13	20.3	22	10	32	60	10	*2

13460A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	11.4	19	5	32	43	10	*1
3/8	16.6	19	7	32	45	10	*1
1/2	20.3	22	10	32	60	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➡P268-269

Socket for Self-Tapping Screws without infeed slope.

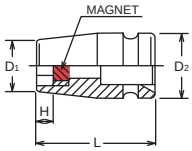
Steckschlüssel für selbstschneidende Schrauben 6-kant ohne Einlaufschräge.

Douille pour vis auto-taraudeuses hexagonales sans biseau d’entrée.

13460MG / 13460AG

MG Sockets with magnets for Self-Tapping Screws
Steckschlüssel mit Magnet für selbstschneidende Schrauben
Douilles avec aimant pour vis auto-taraudeuses

Magnet



13460MG (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	11.4	19	2.4	32	44	10	*1
7	12.8	19	2.8	32	46	10	*1
8	14.1	19	3.5	32	48	10	*1
10	16.6	19	4.2	33	54	10	*1
13	20.3	22	6	34	81	10	*2

13460AG (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	11.4	19	2.4	32	44	10	*1
5/16	14.1	19	3.5	32	48	10	*1
3/8	16.6	19	4.2	33	54	10	*1
1/2	20.3	22	6	34	81	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➡P268-269

Socket with Magnet for Self-Tapping Screws without infeed slope.

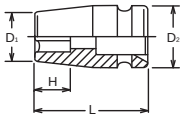
Steckschlüssel mit Magnet für Selbstschneidende Schrauben 6-kant ohne Einlaufschräge.

Douille avec aimant pour vis auto-taraudeuses hexagonales sans biseau d’entrée.

3/8”

13425

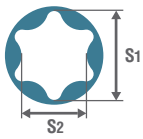
TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



13425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 4	9.7	19	4.6	32	44	10	*1
E 5	10.2	19	5.2	32	43	10	*1
E 6	10.7	19	5.4	32	44	10	*1
E 7	11.2	19	6.6	32	44	10	*1
E 8	11.7	19	7	32	44	10	*1
E10	12.2	19	8.2	32	42	10	*1
E11	13.2	19	8.7	32	43	10	*1
E12	14.2	19	9.3	32	43	10	*1
E14	17.2	19	10.6	32	44	10	*1
E16	18.2	19	11.8	32	42	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269

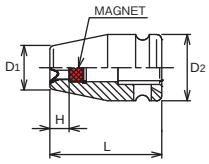
TORX® (E)



E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

13425EG

TORX® Sockets with Magnet
TORX® Steckschlüssel mit Magnet
Douilles TORX® avec aimant

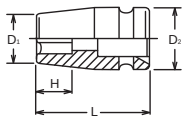


13425EG (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E 8	11.7	19	5	32	54	10	*1
E10	12.2	19	5.5	32	52	10	*1
E12	14.2	19	6.5	32	53	10	*1
E14	17.2	19	7	32	54	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269

13425 (EPL)

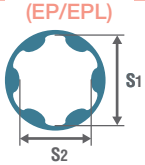
TORXPLUS® Sockets
TORXPLUS® Steckschlüssel
Douilles TORXPLUS®



13425 (EPL)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8EPL	11.7	19	5.2	32	44	10	*1
10EPL	12.2	19	6.2	32	44	10	*1
12EPL	14.2	19	7.2	32	44	10	*1
14EPL	17.2	19	8.1	32	46	10	*1
16EPL	18.2	19	9.2	32	41	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269

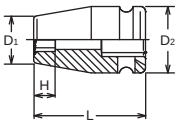
TORXplus® (EP/EPL)



EP/EPL		8EP	10EP	12EP	14EP	16EP	18EP	20EP	22EP	24EP	26EP	28EP	30EP	32EP
S1	(ref. mm)	7.4	9.3	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	5.7	7.1	8.5	9.8	11.2	12.7	14.0	15.4	16.8	18.2	19.6	20.9	22.3

13425 (EPRL)

Tamper-Resistant TORXPLUS® Sockets
Tamper-Resistant TORXPLUS® Steckschlüssel
Douilles Tamper-Resistant TORXPLUS®



	13425 (EPRL)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New	**10EPRL**	12.2	19	6.2	32	44	10	*1
New	**12EPRL**	14.2	19	7.2	32	44	10	*1
New	**14EPRL**	17.2	19	8.1	32	46	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269

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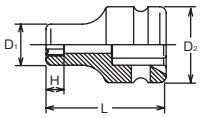
13401LH

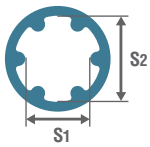
LHS Sockets
Steckschlüssel mit LHS Profil
Douilles au profil LHS

13401LH (LH-S)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5S	11	19	5	32	32	10	*1
6S	12.3	19	5.6	32	34	10	*1
8S	16	19	6.8	32	36	10	*1
10S	18.5	22	8	32	50	10	*2
12S	22.3	22	9.2	32	58	10	*2
14S	24.8	22	10.4	32	63	10	*2
16S	28.5	22	11.6	32	77	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269



LHSTIX®



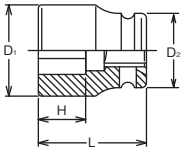
LH-S		LH-5S	LH-6S	LH-8S	LH-10S	LH-12S	LH-14S	LH-16S
S1	(ref. mm)	5.6	6.8	9.0	11.3	13.6	15.8	18.1
S2	(ref. mm)	7.5	9.0	12.0	15.0	18.0	21.0	24.0

13400-WN

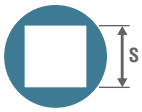
Weld Nut Sockets
Steckschlüssel für Schweissmuttern
Douilles pour écrou à souder

13400-WN	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6WN	15.8	19	6	32	48	10	*1
8WN	18.3	19	8	32	48	10	*1
9WN	19.5	22	9	32	47	10	*2
10WN	20.8	22	10	32	65	10	*2
12WN	24.5	22	12	32	73	10	*2
14WN	27	22	14	32	79	10	*2
17WN	32	22	17	35	110	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269



WN



WN		6WN	8WN	9WN	10WN	12WN	14WN	17WN
S	(ref. mm)	6	8	9	10	12	14	17

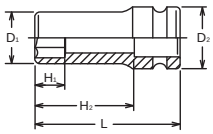
13301X

6-point Semi-Deep Socket, Thin Walled
6-kant Steckschlüssel mittel lang, dünnwandig
Douilles à paroi mince semi-longues, 6-pans

FLAT DRIVE®

13301X (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
6	9.8	18.5	6	36.5	50	35	10	*1
7	11	18.5	7	36.5	50	40	10	*1
8	12.3	18.5	8	36.5	50	40	10	*1
10	14.8	18.5	10	36.5	50	46	10	*1
11	16	18.5	11	36.5	50	49	10	*1
12	17.3	18.5	12	36.5	50	53	10	*1
13	18.5	21.5	13	36.5	50	67	10	*2
14	19.8	21.5	14	36.5	50	70	10	*2
15	21	21.5	15	35.5	50	75	10	*2
16	22.3	21.5	16	35.5	50	78	10	*2
17	23.5	21.5	17	35.5	50	82	10	*2
18	24.8	21.5	18	34.5	50	86	10	*2
19	26	21.5	19	34.5	50	93	10	*2
21	28.5	21.5	21	34.5	50	104	10	*2
22	29.8	21.5	22	33.5	50	110	10	*2
23	31	21.5	23	33.5	50	115	10	*2
24	32.3	21.5	24	32.5	50	120	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269



RS13301X/9	9 Pieces Set/Rail 250mm	(g)
8, 10, 12, 13, 14, 17, 19, 21, 22		710

RS13301X/9

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

LHSTIX® is a registered trademark of **OSG SYSTEM PRODUCTS CO., LTD.**
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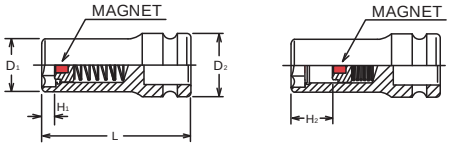
13300XG

MG

Impact semi-deep socket with Sliding Magnet
Impact Steckschlüssel mittel lang mit versenkbarem Magnet
Douilles semi-longues avec aimant, glissant pour écrous

Magnet

SLIDE MAGNET

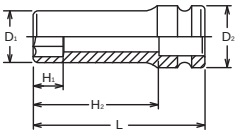


13300XG (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
7	12	19	3.5	19	50	52	10	*1
8	13.3	19	4	20.5	50	40	10	*1
10	15.8	19	4.5	20	50	46	10	*1
11	17	19	5	20	50	50	10	*1
12	18.3	19	6	20	50	55	10	*1
13	19.5	22	6.5	19	50	70	10	*2
14	20.8	22	7	18	50	75	10	*2
15	21.9	22	7	18	50	85	10	*2
16	23.2	22	7.5	20	50	114	10	*2
17	24.4	22	8	20	50	126	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➡P268-269

13300M / 13300A

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans



13300A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
1/4	10.8	19	6	66.5	80	77	10	*1
5/16	13.3	19	8	66.5	80	82	10	*1
3/8	15.8	19	10	66.5	80	94	10	*1
7/16	17	19	11	66.5	80	110	10	*1
1/2	19.5	22	13	66.5	80	138	10	*2
9/16	20.8	22	14	66.5	80	148	10	*2
5/8	23.3	22	16	65.5	80	156	10	*2
11/16	24.5	22	17	65.5	80	168	10	*2
3/4	27	22	19	64.5	80	192	10	*2
13/16	29.5	22	21	64.5	80	226	10	*2
7/8	30.8	22	22	63.5	80	231	10	*2

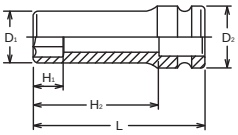
*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➡P268-269

13300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	66.5	80	77	10	*1
7	12	19	7	66.5	80	82	10	*1
8	13.3	19	8	66.5	80	82	10	*1
9	14.5	19	9	66.5	80	88	10	*1
10	15.8	19	10	66.5	80	94	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	111	10	*1
13	19.5	22	13	66.5	80	138	10	*2
14	20.8	22	14	66.5	80	148	10	*2
15	22	22	15	65.5	80	157	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	192	10	*2
20	28.3	22	20	64.5	80	224	10	*2
21	29.5	22	21	64.5	80	226	10	*2
22	30.8	22	22	63.5	80	231	10	*2
New 23	31.9	22	23	63.5	80	238	10	*2
24	33.2	22	24	63.5	80	242	10	*2

13301M / 13301A

6-point Deep Socket, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince longues, 6-pans

thin



13301A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
1/4	10	18.5	6	66.5	80	65	10	*1
5/16	12.3	18.5	8	66.5	80	68	10	*1
3/8	14.8	18.5	10	66.5	80	72	10	*1
7/16	16	18.5	11	66.5	80	80	10	*1
1/2	18.5	21.5	13	66.5	80	100	10	*2
9/16	19.8	21.5	14	66.5	80	110	10	*2
5/8	22.3	21.5	16	65.5	80	130	10	*2
11/16	23.5	21.5	17	65.5	80	136	10	*2
3/4	26	21.5	19	64.5	80	155	10	*2
13/16	28.5	21.5	21	64.5	80	181	10	*2
7/8	29.8	21.5	22	63.5	80	190	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➡P268-269

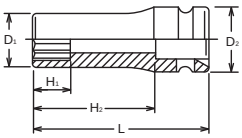
13301M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
6	10	18.5	6	66.5	80	65	10	*1
7	11	18.5	7	66.5	80	66	10	*1
8	12.3	18.5	8	66.5	80	68	10	*1
9	13.5	18.5	9	66.5	80	70	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	13	66.5	80	100	10	*2
14	19.8	21.5	14	66.5	80	110	10	*2
15	21	21.5	15	65.5	80	120	10	*2
16	22.3	21.5	16	65.5	80	130	10	*2
17	23.5	21.5	17	65.5	80	136	10	*2
18	24.8	21.5	18	64.5	80	145	10	*2
19	26	21.5	19	64.5	80	155	10	*2
20	27.3	21.5	20	64.5	80	170	10	*2
21	28.5	21.5	21	64.5	80	181	10	*2
22	29.8	21.5	22	63.5	80	190	10	*2
24	32.3	21.5	24	63.5	80	216	10	*2

13305M

12-point Sockets, deep
12-kant Steckschlüssel, lang
Douilles longues, 12-pans

13305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	66.5	80	82	10	*1
10	15.8	19	10	66.5	80	94	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	111	10	*1
13	19.5	22	13	66.5	80	138	10	*2
14	20.8	22	14	66.5	80	148	10	*2
17	24.5	22	17	65.5	80	168	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269



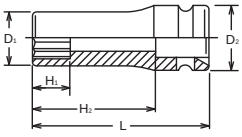
13306M

12-point Deep Sockets, Thin Walled
12-kant Steckschlüssel, dünnwandig
Douilles à paroi mince longues, 12-pans

thin

13306M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	12.3	18.5	8	66.5	80	68	10	*1
10	14.8	18.5	10	66.5	80	72	10	*1
11	16	18.5	11	66.5	80	80	10	*1
12	17.3	18.5	12	66.5	80	85	10	*1
13	18.5	21.5	13	66.5	80	100	10	*2
14	19.8	21.5	14	66.5	80	110	10	*2
17	23.5	21.5	17	66.5	80	136	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269



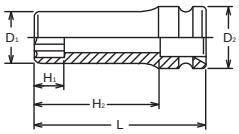
13310M

SURFACE DRIVE

Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive

13310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
7	12	19	7	66.5	80	77	10	*1
8	13.3	19	8	66.5	80	90	10	*1
9	14.5	19	9	66.5	80	90	10	*1
10	15.8	19	10	66.5	80	97	10	*1
11	17	19	11	66.5	80	110	10	*1
12	18.3	19	12	66.5	80	105	10	*1
13	19.5	22	13	66.5	80	135	10	*2
14	20.8	22	14	66.5	80	145	10	*2
15	22	22	15	65.5	80	160	10	*2
16	23.3	22	16	65.5	80	156	10	*2
17	24.5	22	17	65.5	80	168	10	*2
18	25.8	22	18	64.5	80	190	10	*2
19	27	22	19	64.5	80	190	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269



13300G

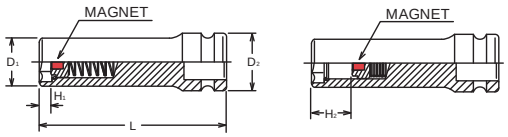
SLIDE MAGNET

Impact Socket with Sliding Magnet
Impact Steckschlüssel mit versenkbarem Magnet
Douilles Impact avec aimant, glissant pour écrous

Magnet

13300G (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	4	26.5	80	82	10	*1
10	15.8	19	4.5	26	80	105	10	*1
12	18.3	19	6	26	80	136	10	*1
13	19.5	22	6.5	25	80	165	10	*2
14	20.8	22	7	24	80	186	10	*2
15	22	22	7	24	80	195	10	*2
16	23.3	22	8	27	80	210	10	*2
17	24.5	22	8	27	80	220	10	*2
19	27	22	9	28	80	230	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269



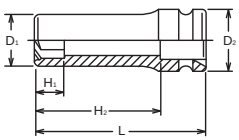
13365M

PATHFINDER®

Pathfinder Sockets, deep
Pathfinder Steckschlüssel, lang
Douilles longues, Pathfinder

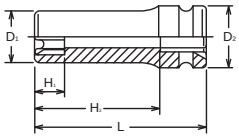
13365M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	7	66.5	80	90	10	*1
10	15.8	19	8	66.5	80	99	10	*1
11	17	19	8	66.5	80	108	10	*1
12	18.3	19	9	66.5	80	110	10	*1
13	19.5	22	9	66.5	80	142	10	*2
14	20.8	22	11	66.5	80	144	10	*2
15	22	22	11	65.5	80	150	10	*2
16	23.3	22	11	65.5	80	159	10	*2
17	24.5	22	12	65.5	80	170	10	*2
18	25.8	22	13	64.5	80	201	10	*2
19	27	22	13	64.5	80	203	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➔P268-269



13325

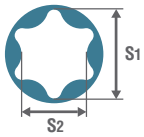
TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®



13325 (E)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
E 7	11.2	19	6.6	66.5	80	75	10	*1
E 8	11.7	19	7	66.5	80	80	10	*1
E10	12.2	19	8.2	66.5	80	85	10	*1
E12	14.2	19	9.3	66.5	80	90	10	*1
E14	17.2	19	10.6	66.5	80	110	10	*1
E16	18.2	19	11.8	66.5	80	110	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269

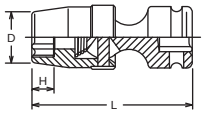
TORX® (E)



E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

13440M / 13440A

Universal Sockets
Gelenk-Einsätze
Douilles universelles



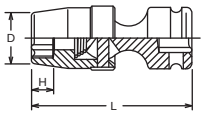
13440M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	5	57	135	10	*2
11	17	6	57	135	10	*2
12	18.3	6	57	135	10	*2
13	19.5	6	57	135	10	*2
14	20.8	7	59	140	10	*2
15	22	7	59	140	10	*2
16	23.3	8	59	140	10	*2
17	24.5	8	59	140	10	*2
18	25.8	9	61	148	10	*2
19	27	10	61	152	10	*2
20	29.5	10	61	157	10	*2
21	30.7	14	66	205	10	*2
22	32	13	66	210	10	*2
24	34.5	13	68	215	10	*2

13440A (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/8	15.8	5	57	135	10	*2
7/16	17	6	57	135	10	*2
1/2	19.5	6	57	135	10	*2
9/16	20.8	7	59	140	10	*2
5/8	23.3	8	59	140	10	*2
11/16	24.5	8	59	140	10	*2
3/4	27	10	61	152	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➡P268-269

13440T

TORX® Universal Sockets
TORX® Gelenk-Einsätze
Douilles universelles TORX®

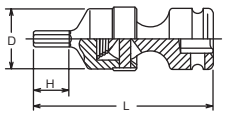


13440T (E)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E10	13.3	8.2	58	135	10	*2
E12	15.8	9.3	58	135	10	*2
E14	17	10.6	58	135	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➡P268-269

13430M

Universal Inhex Sockets
Gelenk-Einsätze für Schrauben mit Innensechskant
Douilles universelles 6-pans mâles



13430M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5	24	15	74	120	10	*2
6	24	15	74	131	10	*2
8	24	20	74	136	10	*2
10	24	20	74	141	10	*2
17	24	7	53	150	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➡P268-269

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13103M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5(0.8)	9.5	19	8	32	39	10	*1
6(1.0)	10.8	19	9	32	41	10	*1
7(1.0)	12.5	19	10	32	44	10	*1
8(1.25)	13.5	19	10.5	35	49	10	*1
10(1.25)	15.8	19	13	35	49	10	*1
10(1.5)	15.8	19	13	35	49	10	*1

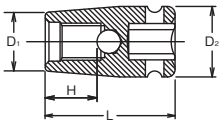
STUD BOLT SETTER

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➔P268-269

Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.

13103M

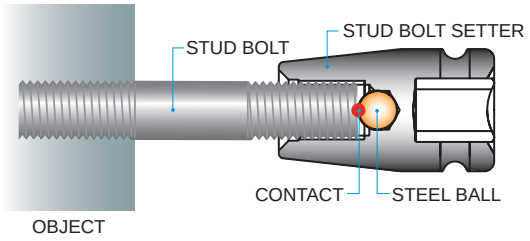
Impact Stud Bolt Setters
Impact Stehbolzensetzer
Monte-goujons Impact



A special socket for installing a stud bolt.
Inside steel ball prevent the stud bolt stuck onto the socket. After installing a stud bolt, turn to anti-clockwise to removing the socket.

Spezialwerkzeug zum Setzen von Stehbolzen. Der Bolzen trifft im Werkzeug nur auf den Stahlbolzen, was die Kontaktfläche verringert. Nach dem Setzen des Stehbolzens kann das Werkzeug im Linkslauf vom Stehbolzen abgezogen werden.

Douilles spéciales pour monter les goujons.
Le goujon est en contact avec une bille d’acier pour l’empêcher d’adhérer à la douille.
Après avoir posé le goujon, tourner dans le sens antihorlogique pour le retirer



13145M-150 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	150	105	5	*1
8	13.3	19	8	150	110	5	*1
10	15.8	19	10	150	120	5	*1
12	18.3	19	12	150	128	5	*1
13	19.5	19	13	150	137	5	*1
14	20.8	19	14	150	146	5	*1
15	22	19	15	150	155	5	*1
17	24.5	19	17	150	163	5	*1

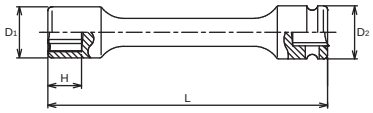
13145M-200 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	200	136	5	*1
8	13.3	19	8	200	141	5	*1
10	15.8	19	10	200	151	5	*1
12	18.3	19	12	200	159	5	*1
13	19.5	19	13	200	168	5	*1
14	20.8	19	14	200	177	5	*1
15	22	19	15	200	186	5	*1
17	24.5	19	17	200	194	5	*1

13145M-250 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	10.8	19	6	250	167	5	*1
8	13.3	19	8	250	172	5	*1
10	15.8	19	10	250	182	5	*1
12	18.3	19	12	250	190	5	*1
13	19.5	19	13	250	199	5	*1
14	20.8	19	14	250	208	5	*1
15	22	19	15	250	217	5	*1
17	24.5	19	17	250	225	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➔P268-269

13145M-100 / -150 / -200 / -250

Extra Long Sockets
Schaftsteckschlüssel
Douilles, série allongée



13145M-100 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	8	100	90	5	*1
10	15.8	19	10	100	92	5	*1
12	18.3	19	12	100	100	5	*1
13	19.5	19	13	100	108	5	*1
14	20.8	19	14	100	112	5	*1
17	24.5	19	17	100	140	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➔P268-269

13145MG-100 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	3.5	100	90	5	*1
10	15.8	19	4.2	100	93	5	*1
12	18.3	19	5.6	100	105	5	*1
13	19.5	19	6	100	115	5	*1
14	20.8	19	6.4	100	120	5	*1

13145MG-150 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	3.5	150	121	5	*1
10	15.8	19	4.2	150	125	5	*1
12	18.3	19	5.6	150	136	5	*1
13	19.5	19	6	150	145	5	*1
14	20.8	19	6.4	150	150	5	*1

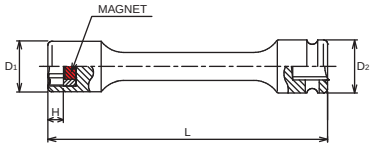
13145MG-200 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	4.2	200	182	5	*1
12	18.3	19	5.6	200	190	5	*1
13	19.5	19	6	200	208	5	*1
14	20.8	19	6.4	200	225	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➔P268-269

13145MG-100 / -150 / -200

Magnet

Extra Long Socket with Magnet
Schaftsteckschlüssel mit Magnet
Douilles, série allongée, avec aimant



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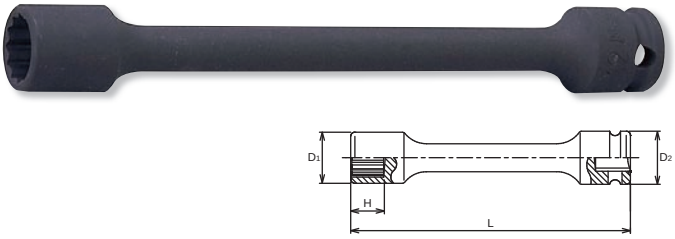
13145M-100 (12P) / -150 (12P) / -200 (12P)

Extra long 12-Point Sockets
Extra lange 12-kant Steckschlüssel
Douilles, série allongée 12 pans



13145M-100 (12P) (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	10	100	91	5	*1
12	18.3	19	12	100	100	5	*1

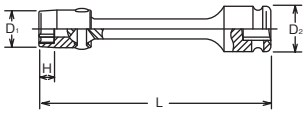
13145M-150 (12P) (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	10	150	120	5	*1
12	18.3	19	12	150	128	5	*1

13145M-200 (12P) (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.8	19	10	200	151	5	*1
12	18.3	19	12	200	159	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269

13146M-150 / -200 / -250

Extra Long Universal Sockets
Schaftsteckschlüssel mit Gelenk
Douilles, articulées, série allongée



13146M-150 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12	19	6	150	128	5	*1
10	14.3	19	7	150	131	5	*1
12	18	19	8	150	133	5	*1
13	19.3	19	8.5	150	132	5	*1
14	20	19	9	150	132	5	*1

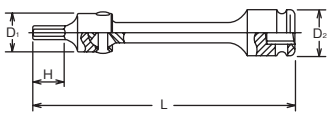
13146M-200 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12	19	6	200	159	5	*1
10	14.3	19	7	200	162	5	*1
12	18	19	8	200	164	5	*1
13	19.3	19	8.5	200	163	5	*1
14	20	19	9	200	163	5	*1

13146M-250 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	12	19	6	250	190	5	*1
10	14.3	19	7	250	193	5	*1
12	18	19	8	250	195	5	*1
13	19.3	19	8.5	250	194	5	*1
14	20	19	9	250	194	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269

13147M-150 / -200

Extra Long Universal Inhex Sockets
Schaftsteckschlüssel mit Aussensechskant Gelenk
Douilles, articulées, à 6-pans mâle, série allongée



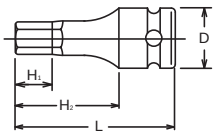
13147M-150 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	21	19	15	150	125	5	*1
5	21	19	15	150	128	5	*1
6	21	19	15	150	132	5	*1
8	21	19	15	150	136	5	*1
10	21	19	15	150	140	5	*1

13147M-200 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
4	21	19	15	200	156	5	*1
5	21	19	15	200	159	5	*1
6	21	19	15	200	163	5	*1
8	21	19	15	200	167	5	*1
10	21	19	15	200	171	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269

13012M-52

Inhex Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux



13012M-52 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
3	18	10	34	52	33	10	*1
4	18	15.5	34	52	35	10	*1
5	18	15.5	34	52	35	10	*1
6	18	15.5	34	52	39	10	*1
7	18	15.5	34	52	44	10	*1
8	21	15.5	34	52	60	10	*2
10	21	15.5	34	52	70	10	*2
12	21	15.5	34	52	79	10	*2
14	21	15.5	34	52	92	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➡P268-269

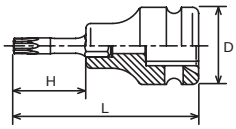
RS13012M/8-L52

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS13012M/8-L52	8 Pieces Set/Rail 200mm	(g)
	4, 5, 6, 7, 8, 10, 12, 14	492

13025-50 / -90

TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis,TORX®



13025-50 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T20	19	23.5	50	35	10	*1
T25	19	23.5	50	35	10	*1
T27	19	23.5	50	35	10	*1
T30	19	23.5	50	35	10	*1
T40	19	23.5	50	39	10	*1
T45	19	23.5	50	60	10	*1
T50	19	23.5	50	70	10	*1
T55	22	23.5	50	79	10	*2

13025-90 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T20	19	63.5	90	43	10	*1
T25	19	63.5	90	45	10	*1
T27	19	63.5	90	47	10	*1
T30	19	63.5	90	50	10	*1
T40	19	63.5	90	58	10	*1
T45	19	63.5	90	66	10	*1
T50	19	63.5	90	80	10	*1
T55	22	63.5	90	120	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➡P268-269

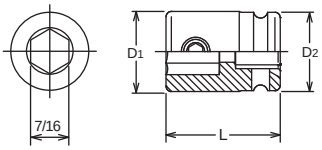
RS13025/8-L50

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS13025/8-L50	8 Pieces Set/Rail 200mm	(g)
	T20, T25, T27, T30, T40, T45, T50, T55	380

13134

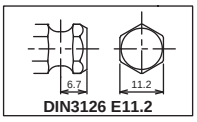
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13134	24	22	32	70	10	*2

*2 C-Ring=C32,Pin/O-Ring=A32/B32 ➡P268-269

For DIN3126 E11.2 Bits
Für DIN3126 E11.2 Bits
Pour DIN3126 E11.2 Embouts



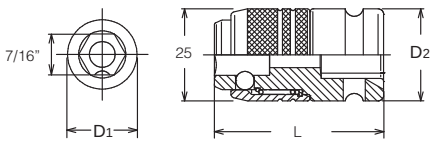
F11.2

16134-SC

Replacement Screw : M8×6, ⬢ 4mm
Ersatzschraube : M8×6, ⬢ 4mm
Vis de remplacement : M8×6, ⬢ 4mm

13142-F11.2

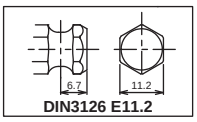
Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embouts Impact (Quick Release)



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13142-F11.2	18.9	22	46	116	10	*2

*2 C-Ring=C32,Pin/O-Ring=A32/B32 ➡P268-269

For DIN3126 E11.2 Bits
Für DIN3126 E11.2 Bits
Pour DIN3126 E11.2 Embouts

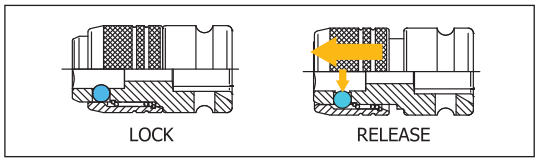


F11.2

You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le mouvement, afin d'éviter un échauffement dû à la friction et à l'usure.



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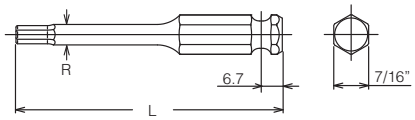
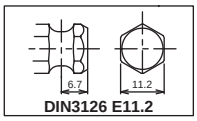
183H-35 / -75 / -150

Hex Bits
Sechskant Bits
Embouts, 6 pans creux





183H-35 (mm)	L (mm)	(g)	(pcs.)	
3	35	15	10	
4	35	15	10	
5	35	15	10	
6	35	18	10	
7	35	19	10	
8	35	20	10	
9	35	23	10	
10	35	26	10	
11	35	28	10	
12	35	30	10	⚠
14	35	35	10	⚠
16	35	47	10	⚠
17	35	50	10	⚠
18	35	53	10	⚠
19	35	56	10	⚠

183H-35 (inch)	L (mm)	(g)	(pcs.)	
3/16	35	15	10	
7/32	35	16	10	
1/4	35	18	10	
5/16	35	20	10	
3/8	35	26	10	
7/16	35	28	10	
1/2	35	38	10	⚠

183H-75 (mm)	L (mm)	R (mm)	(g)	(pcs.)	
3	75	6	34	10	
4	75	6	35	10	
5	75	6.5	36	10	
6	75	7.5	39	10	
7	75	8.5	44	10	
8	75	9.5	47	10	
10	75	–	57	10	
11	75	–	60	10	
12	75	–	65	10	⚠
14	75	–	79	10	⚠

183H-150 (mm)	L (mm)	R (mm)	(g)	(pcs.)	
4	150	6	51	10	
5	150	6.5	55	10	
6	150	7.5	65	10	
8	150	9.5	87	10	
10	150	–	118	10	
12	150	–	136	10	⚠

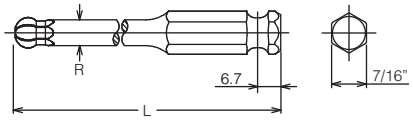
⚠ The items with ⚠ have larger output sizes than 7/16" Input drive.
Due to this design the maximum output torque rating is less than standard.

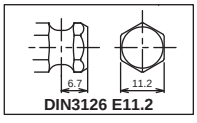
Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 7/16" Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 7/16".
En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

183H-75B / -150B

Ball-point Hex Bits
Sechskant Bits mit Kugelkopf
Embouts hexagonaux à tête sphérique



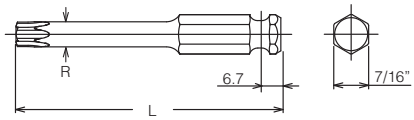


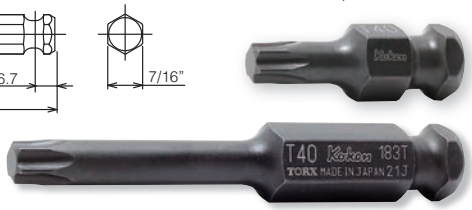
	183H-75B (mm)	L (mm)	R (mm)	(g)	(pcs.)
New	**6B**	75	5.7	39	10
New	**8B**	75	7.7	44	10
New	**10B**	75	9.7	49	10
New	**12B**	75	11.7	72	10

	183H-150B (mm)	L (mm)	R (mm)	(g)	(pcs.)
New	**6B**	150	5.7	65	10
New	**8B**	150	7.7	71	10
New	**10B**	150	9.7	92	10
New	**12B**	150	11.7	135	10

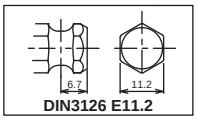
183T-35 / -75 / -150 (T)

TORX® Bits
TORX® Bits
Embouts, TORX®





183T-35 (T)	L (mm)	(g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	30	10
T60	35	38	10 ⚠



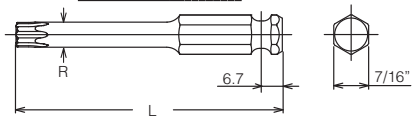
DIN3126 E11.2

183T-75 (T)	L (mm)	R (mm)	(g)	(pcs.)
New **T25**	75	6	33	10
New **T27**	75	6	33	10
T30	75	6	35	10
T40	75	6.9	37	10
T45	75	8	41	10
T50	75	9	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10 ⚠

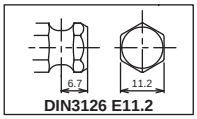
183T-150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6	50	10
T40	150	6.9	58	10
T45	150	8	70	10
T50	150	9	82	10
T55	150	11.4	113	10
New **T60**	150	13.5	148	10 ⚠

183T-35 / -75 (IP)

TORXPLUS® Bits
TORXPLUS® Bits
Embouts TORXPLUS®



183T-35 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10 ⚠

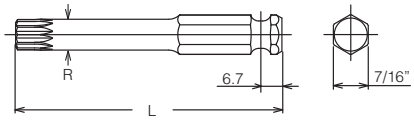


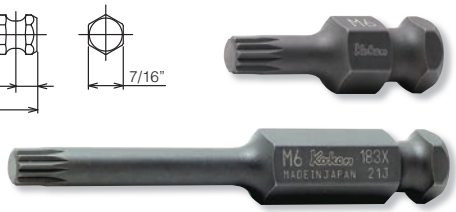
DIN3126 E11.2

183T-75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10 ⚠

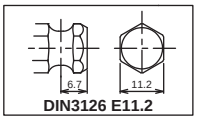
183X-35 / -75 / -150 (XZN)

XZN Bits
XZN Bits
Embouts, XZN





183X-35 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10 ⚠



DIN3126 E11.2

183X-75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10 ⚠

183X-150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10
New **M14**	150	13.5	151	10 ⚠

⚠ The items with ⚠ have larger output sizes than 7/16" Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 7/16" Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 7/16". En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

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13134M-52 / -92

Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux

13134M-52 (mm)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
3	22	20	52	6	85	10	*2	
4	22	20	52	6	85	10	*2	
5	22	20	52	6.5	85	10	*2	
6	22	20	52	7.5	88	10	*2	
8	22	20	52	9.5	90	10	*2	
10	22	20	52	–	96	10	*2	
12	22	20	52	–	100	10	*2	⚠
14	22	20	52	–	105	10	*2	⚠

13134M-92 (mm)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
3	22	60	92	6	104	10	*2	
4	22	60	92	6	105	10	*2	
5	22	60	92	6.5	106	10	*2	
6	22	60	92	7.5	109	10	*2	
8	22	60	92	9.5	117	10	*2	
10	22	60	92	–	127	10	*2	
12	22	60	92	–	135	10	*2	⚠
14	22	60	92	–	149	10	*2	⚠

*2 C-Ring=C32,Pin/O-Ring=A32/B32 ➡P268-269

13134T-52 / -92 (T)

Bit Holder complete with TORX® Bit
Klingenhalter, komplett mit TORX® Klinge
Porte embouts avec bit TORX®

13134T-52 (T)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
T30	22	20.6	52	6	88	10	*2	
T40	22	20.6	52	6.9	90	10	*2	
T45	22	20.6	52	8	92	10	*2	
T50	22	20.6	52	9	96	10	*2	
T55	22	20.6	52	11.4	100	10	*2	
T60	22	20.6	52	13.5	108	10	*2	⚠

13134T-92 (T)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
T30	22	20.6	92	6	105	10	*2	
T40	22	20.6	92	6.9	107	10	*2	
T45	22	20.6	92	8	111	10	*2	
T50	22	20.6	92	9	115	10	*2	
T55	22	20.6	92	11.4	125	10	*2	
T60	22	20.6	92	13.5	137	10	*2	⚠

*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➡P268-269

13134T-52 / -92 (IP)

Bit Holder complete with TORXPLUS® Bit
Klingenhalter, komplett mit TORXPLUS® Klinge
Porte embouts avec bit TORXPLUS®

13134T-52 (IP)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
30IP	22	20.6	52	6	88	10	*2	
40IP	22	20.6	52	6.8	90	10	*2	
45IP	22	20.6	52	8	92	10	*2	
50IP	22	20.6	52	9	96	10	*2	
55IP	22	20.6	52	11.4	100	10	*2	
60IP	22	20.6	52	13.5	108	10	*2	⚠

13134T-92 (IP)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
30IP	22	20.6	92	6	105	10	*2	
40IP	22	20.6	92	6.8	107	10	*2	
45IP	22	20.6	92	8	111	10	*2	
50IP	22	20.6	92	9	115	10	*2	
55IP	22	20.6	92	11.4	126	10	*2	
60IP	22	20.6	92	13.5	139	10	*2	⚠

*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➡P268-269

13134X-52 / -92 (XZN)

Bit Holder complete with XZN Bit
Klingenhalter, komplett mit XZN Klinge
Porte embouts avec bit XZN

13134X-52 (XZN)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
M 5	22	20.6	52	6	88	10	*2	
M 6	22	20.6	52	6.2	90	10	*2	
M 8	22	20.6	52	7.4	92	10	*2	
M10	22	20.6	52	9.8	96	10	*2	
M12	22	20.6	52	11.7	100	10	*2	
M14	22	20.6	52	13.5	108	10	*2	⚠

13134X-92 (XZN)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
M 5	22	20.6	92	6	104	10	*2	
M 6	22	20.6	92	6.2	106	10	*2	
M 8	22	20.6	92	7.4	109	10	*2	
M10	22	20.6	92	9.8	124	10	*2	
M12	22	20.6	92	11.7	129	10	*2	
M14	22	20.6	92	13.5	139	10	*2	⚠

*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➡P268-269

⚠ The items with ⚠ have larger output sizes than 7/16" Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 7/16" Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 7/16".
En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

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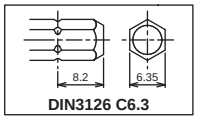
13139

Bit Holder
Klingenhalter
Porte-embout

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13139-1/4	11	19	30	32	10	*1

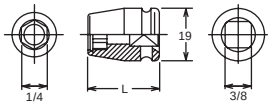
*1 C-Ring=C31,Pin/O-Ring=A31/B31 ➡P268-269

For DIN3126 C6.3 Bits
Für DIN3126 C6.3 Bits
Pour DIN3126 C6.3 Embouts



DIN3126 C6.3

D6.3



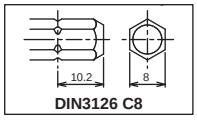
13140

Bit Holder
Klingenhalter
Porte-embout

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13140-5/16	14	19	30	32	10	*1

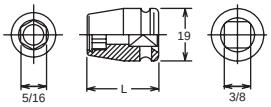
*1 C-Ring=C31,Pin/O-Ring=A31/B31 ➡P268-269

For DIN3126 C8 Bits
Für DIN3126 C8 Bits
Pour DIN3126 C8 Embouts



DIN3126 C8

D8



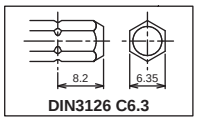
13142-D6.3

Impact Bit Holder (Quick Release)
Impact Kingenhalter (Schnellwechselfutter)
Porte embout Impact (mandrin autoserrant)

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13142-D6.3	16	19	45	60	10	*1

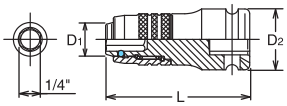
*1 C-Ring=C31,Pin/O-Ring=A31/B31 ➡P268-269

For DIN3126 C6.3 Bits
Für DIN3126 C6.3 Bits
Pour DIN3126 C6.3 Embouts



DIN3126 C6.3

D6.3



You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le mouvement, afin d'éviter un échauffement dû à la friction et à l'usure.

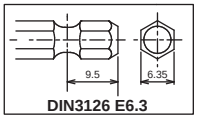
13142-F6.3

Impact Bit Holder (Quick Release)
Impact Kingenhalter (Schnellwechselfutter)
Porte embout Impact (mandrin autoserrant)

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13142-F6.3	16.5	19	45	60	10	*1

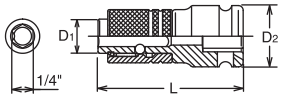
*1 C-Ring=C31,Pin/O-Ring=A31/B31 ➡P268-269

For DIN3126 E6.3 Bits
Für DIN3126 E6.3 Bits
Pour DIN3126 E6.3 Embouts

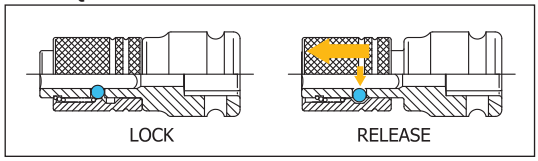


DIN3126 E6.3

F6.3



Lock & Quick Release



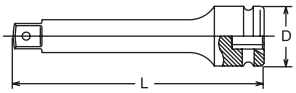
You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le mouvement, afin d'éviter un échauffement dû à la friction et à l'usure.

13760

Extension Bars
Verlängerungen
Rallonges



	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
13760-50P	Pin	22	50	70	10	*2
13760-75P	Pin	22	75	95	10	*2
13760-100P	Pin	22	100	115	10	*2
13760-125P	Pin	22	125	140	5	*2
13760-150P	Pin	22	150	165	5	*2
13760-200P	Pin	22	200	215	5	*2
13760-250P	Pin	22	250	260	5	*2

	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
13760-50	Hole	22	50	70	10	*2
13760-75	Hole	22	75	95	10	*2
13760-100	Hole	22	100	115	10	*2
13760-125	Hole	22	125	140	5	*2
13760-150	Hole	22	150	165	5	*2
13760-200	Hole	22	200	215	5	*2
13760-250	Hole	22	250	260	5	*2

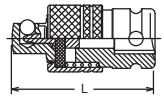
*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➡P268-269

Pin-type **Hole-type**

13333AL

Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)

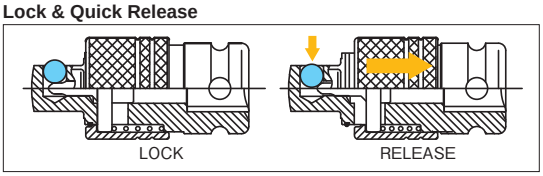
LOCKING ADAPTOR



	L (mm)	(g)	(pcs.)	
13333AL	45	62	10	*1

*1 C-Ring=C31,Pin/O-Ring=A31/B31 ➡P268-269

Lock & Quick Release



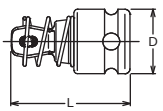
You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

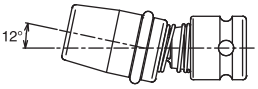
Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

13333WA

Angle-Adaptor with Return Spring
Winkeladapter mit Rückholfeder
Adaptateur angulaire avec ressort de rappel



Use a Pin/O-ring to attach a socket to 13333WA



	D (mm)	L (mm)	(g)	(pcs.)	
New 13333WA	19	35	36	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269

It is strongly recommended to check the tightening torque for applications with the adapters 13333WA and 14444WA, as the reduced square drive reduces the overall torques.

Es wird dringend empfohlen, bei Anwendungen mit den Adaptern 13333WA und 14444WA das Anzugsmoment zu überprüfen, da der reduzierte Vierkantantrieb die Gesamtdrehmomente verringert.

Il est fortement recommandé de vérifier le couple de serrage pour les applications avec les adaptateurs 13333WA et 14444WA, car l'entraînement carré réduit diminue les couples totaux.

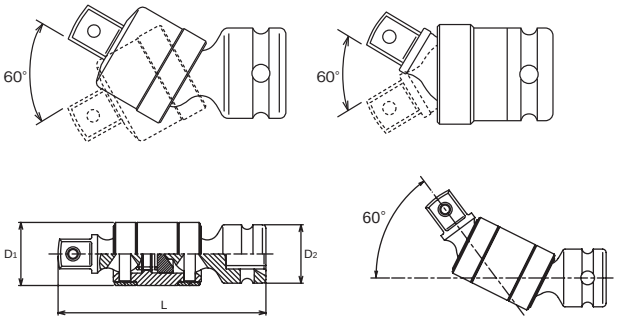
	TYPE	L (mm)	(g)	(pcs.)	
13770-P	Pin	56	110	10	*2
New **13770-B**	Ball	56	110	10	*2
13770	Hole	56	110	10	*2
13771-P	Pin	48	92	10	*2
New **13771-B**	Ball	48	92	10	*2
13771	Hole	48	92	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➔P268-269

Our ball joints are spring-loaded and can therefore be adjusted to an angle of max. 30°.

Unsere Kugelgelenke sind federbelastet dadurch sind sie auf einen Winkel von max 30° einstellbar.

Nos joints à rotule sont à ressort et peuvent donc être réglés jusqu’à un angle de 30° maximum.



	TYPE	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13772-P	Pin	22	19	75	120	5	*1
13772-B	Hole	22	19	75	120	5	*1

UNIVERSAL DOUBLE JOINT

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➔P268-269

Make sure sockets hold bolts or nuts before operation.

Vergewissern Sie sich vor dem Gebrauch, dass der Steckschlüssel die Schraube sicher umfasst hat.

Avant la manipulation, il est nécessaire de s’ assurer que la douille renferme parfaitement la vis.

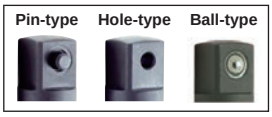
13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.

Die Doppelgelenke 13772 und 14772 haben eine geringere Belastbarkeit als das Standardgelenk. Im Interesse Ihrer Sicherheit sollten Sie sie immer richtig verwenden.

Les doubles articulations 13772 et 14772 ont une capacité de charge inférieure à celle de l’articulation standard. Pour votre propre sécurité, vous devez toujours les utiliser correctement.

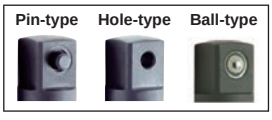
	TYPE	□ (sq.)	□ (sq.)	L (mm)	(g)	(pcs.)	
13322A-P	Pin	3/8"	1/4"	27	25	10	*1
New **13322A-B**	Ball	3/8"	1/4"	27	25	10	*1
13322A	Hole	3/8"	1/4"	27	25	10	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➔P268-269



	TYPE	□ (sq.)	□ (sq.)	L (mm)	(g)	(pcs.)	
13344A-P	Pin	3/8"	1/2"	32.5	53	10	*2
New **13344A-B**	Ball	3/8"	1/2"	32.5	53	10	*2
13344A	Hole	3/8"	1/2"	32.5	53	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➔P268-269



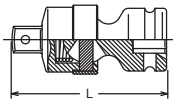
13242M 11 Pieces Set/⚖=1,140g

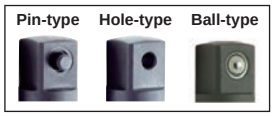
METAL CASE:W310×H90×T48mm

Sockets

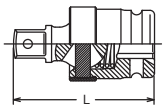
13400M 6-pt. Sockets
9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19

13770
Universal Joint
Gelenk-Einsatz
Joint articulé

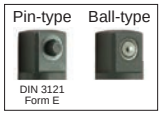




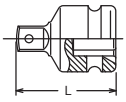
13771
Universal Joint
Gelenk-Einsatz
Joint articulé



13772
Universal Double Joint
Doppelgelenk-Einsatz
Joint articulé double



13322A
Adaptor
Verbindungsstück
Réducteur

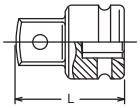


Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d’appliquer aux articles marqués ⚠ des couples de serrage susceptibles d’occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d’une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

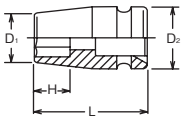
13344A
Adaptor
Verbindungsstück
Augmentateur



13242M
Socket Set
Steckschlüssel Satz
Jeu de clés à douilles

14400M / 14400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



14400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	12	25	5	38	80	10	*1
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
19/32	23.2	30	11	38	130	10	*2
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

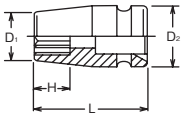
FLAT DRIVE®

14400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	6	38	85	10	*1
9	15.7	25	7	38	85	10	*1
10	17	25	7	38	85	10	*1
11	18.2	25	8	38	85	10	*1
12	19.5	25	9	38	85	10	*1
13	20.7	25	10	38	85	10	*1
14	22	25	10	38	85	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	130	10	*2
17	25.7	30	12	38	130	10	*2
18	27	30	13	38	130	10	*2
19	28.2	30	13	38	125	10	*2
20	29.5	30	13	38	127	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	130	10	*2
24	34.5	30	14	38	135	10	*2
25	35.7	30	14	38	135	10	*2
26	37	30	14	38	160	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	170	10	*2
29	40.7	30	17	42	190	10	*2
30	42	30	17	42	190	10	*2
31	43.2	30	17	42	213	10	*2
32	44.5	30	18	42	216	10	*2
33	45.7	30	19	46	260	5	*2
34	47	30	19	46	263	5	*2
35	48.2	30	19	46	275	5	*2
36	49.5	30	20	46	285	5	*2
38	52	30	20	53	360	5	*2
41	55.7	30	21	55	411	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14405M / 14405A

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



14405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5/16	14.5	25	6	38	85	10	*1
3/8	17	25	7	38	85	10	*1
7/16	18.2	25	8	38	85	10	*1
1/2	20.7	25	10	38	85	10	*1
9/16	22	25	10	38	85	10	*1
5/8	24.5	30	11	38	130	10	*2
11/16	25.7	30	12	38	130	10	*2
3/4	28.2	30	13	38	125	10	*2
13/16	30.7	30	14	38	120	10	*2
7/8	32	30	14	38	130	10	*2
15/16	34.5	30	14	38	135	10	*2
1	35.7	30	14	38	135	10	*2
1. 1/16	38.2	30	16	40	160	10	*2
1. 1/8	40.7	30	17	42	190	10	*2
1. 3/16	42	30	17	42	190	10	*2
1. 1/4	44.5	30	18	42	216	10	*2
1. 5/16	45.7	30	19	46	260	5	*2
1. 3/8	47	30	19	46	263	5	*2
1. 1/2	52	30	20	53	365	5	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	6	38	85	10	*1
9	15.7	25	7	38	85	10	*1
10	17	25	7	38	85	10	*1
11	18.2	25	8	38	84	10	*1
12	19.5	25	9	38	84	10	*1
13	20.7	25	10	38	84	10	*1
14	22	25	10	38	84	10	*1
15	23.2	30	11	38	130	10	*2
16	24.5	30	11	38	127	10	*2
17	25.7	30	12	38	128	10	*2
18	27	30	13	38	130	10	*2
19	28.2	30	13	38	125	10	*2
20	29.5	30	13	38	127	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	132	10	*2
24	34.5	30	14	38	133	10	*2
26	37	30	14	38	147	10	*2
27	38.2	30	16	40	157	10	*2
28	39.5	30	16	40	170	10	*2
30	42	30	17	42	190	10	*2
32	44.5	30	18	42	216	10	*2
36	49.5	30	20	46	285	5	*2
41	55.7	30	21	55	411	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

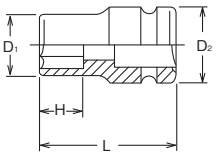
RS14405M/11

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS14405M/11	11 Pieces Set/Rail 300mm	(g)
	9,10,11,12,13,14,15,16,17,18,19	1,250

14401M / 14401A

6-point Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 6-pans



14401M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
35	46.7	29	19	46	250	5	*2
36	48	29	20	46	264	5	*2
38	50.5	29	20	53	316	5	*2
41	54.2	29	21	55	374	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14401A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

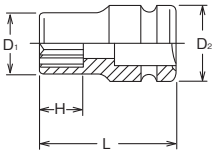
RS14401M/10

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS14401M/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		1,010

14406M / 14406A

12-point Sockets, Thin Walled
12-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 12-pans



14406M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13	24	6	38	57	10	*1
9	14.2	24	7	38	58	10	*1
10	15.5	24	7	38	60	10	*1
11	16.7	24	8	38	62	10	*1
12	18	24	9	38	63	10	*1
13	19.2	24	10	38	65	10	*1
14	20.5	24	10	38	67	10	*1
15	21.7	29	11	38	100	10	*2
16	23	29	11	38	102	10	*2
17	24.2	29	12	38	105	10	*2
18	25.5	29	13	38	105	10	*2
19	26.7	29	13	38	107	10	*2
20	28	29	13	38	108	10	*2
21	29.2	29	14	38	109	10	*2
22	30.5	29	14	38	114	10	*2
23	31.7	29	14	38	118	10	*2
24	33	29	14	38	122	10	*2
25	34.2	29	14	38	129	10	*2
26	35.5	29	14	38	131	10	*2
27	36.7	29	16	40	145	10	*2
28	38	29	16	40	152	10	*2
29	39.2	29	17	42	165	10	*2
30	40.5	29	17	42	178	10	*2
31	41.7	29	17	42	185	10	*2
32	43	29	18	42	188	10	*2
33	44.2	29	19	46	219	5	*2
34	45.5	29	19	46	248	5	*2
36	48	29	20	46	264	5	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

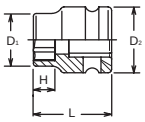
14406A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/4	10.5	24	5	38	55	10	*1
5/16	13	24	6	38	57	10	*1
3/8	15.5	24	7	38	60	10	*1
7/16	16.7	24	8	38	62	10	*1
1/2	19.2	24	10	38	65	10	*1
9/16	20.5	24	10	38	67	10	*1
5/8	23	29	11	38	102	10	*2
11/16	24.2	29	12	38	105	10	*2
3/4	26.7	29	13	38	107	10	*2
13/16	29.2	29	14	38	109	10	*2
7/8	30.5	29	14	38	114	10	*2
15/16	33	29	14	38	122	10	*2
1	34.2	29	14	38	129	10	*2
1. 1/16	35.5	29	14	40	131	10	*2
1. 1/8	39.2	29	17	42	165	10	*2
1. 3/16	40.5	29	17	42	178	10	*2
1. 1/4	43	29	18	42	188	10	*2
1. 5/16	44.2	29	19	46	219	5	*2
1. 3/8	45.5	29	19	46	248	5	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14401MS

6-point short sockets, Thin Walled
6-kant Steckschlüssel kurz, dünnwandig
Douilles 6-pans courtes, à paroi mince

thin



14401MS (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	15.5	24	4.5	23	41	10	*1
12	18	24	5.5	24	42	10	*1
13	19.2	24	6.5	25	43	10	*1
14	20.5	24	6.5	25	43	10	*1
15	21.7	29	7.5	26	70	10	*2
16	23	29	7.5	26	73	10	*2
17	24.2	29	7.5	26	76	10	*2
18	25.5	29	7.5	26	78	10	*2
19	26.7	29	9.5	28	79	10	*2
21	29.2	29	10	28.5	79	10	*2
22	30.5	29	10	28.5	84	10	*2
24	33	29	10	28.5	87	10	*2
27	36.7	29	10	28.5	100	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

RS14401MS/10

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

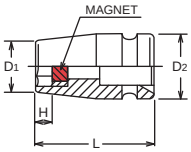
thin

RS14401MS/10	10 Pieces Set/Rail 300mm	(g)
10, 12, 13, 14, 17, 19, 21, 22, 24, 27		740

14400MG

6-point Sockets with Magnet
6-kant Steckschlüssel mit Magnet
Douilles 6-pans avec aimant

Magnet

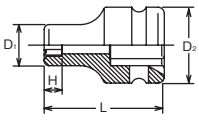


14400MG (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	3.5	38	95	10	*1
10	17	25	4.2	38	95	10	*1
12	19.5	25	5.6	38	100	10	*1
13	20.7	25	6	38	100	10	*1
14	22	25	6.4	38	105	10	*1
15	23.2	30	6.8	38	140	10	*2
16	24.5	30	7	38	145	10	*2
17	25.7	30	7.5	38	145	10	*2
18	27	30	7.8	38	147	10	*2
19	28.2	30	8	38	147	10	*2
21	30.7	30	8	38	165	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14401LH

LHS Sockets
Steckschlüssel mit LHS Profil
Douilles au profil LHS



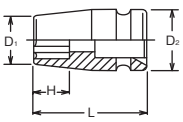
14401LH (LH-S)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6S	13	25	5.6	38	65	10	*1
8S	16.7	25	6.8	38	69	10	*1
10S	19.2	25	8	38	75	10	*1
12S	23	30	9.2	38	115	10	*2
14S	25.5	30	10.4	38	121	10	*2
16S	29.2	30	11.6	38	128	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

SURFACE DRIVE



14410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	7	38	100	10	*1
11	18.2	25	8	38	103	10	*1
12	19.5	25	9	38	110	10	*1
13	20.7	25	10	38	113	10	*1
14	22	25	10	38	115	10	*1
15	23.2	30	11	38	120	10	*2
16	24.5	30	11	38	120	10	*2
17	25.7	30	12	38	126	10	*2
18	27	30	13	38	121	10	*2
19	28.2	30	13	38	124	10	*2
20	29.5	30	13	38	123	10	*2
21	30.7	30	14	38	120	10	*2
22	32	30	14	38	130	10	*2
23	33.2	30	14	38	130	10	*2
24	34.5	30	14	38	134	10	*2
25	35.7	30	14	38	135	10	*2
26	37	30	14	38	160	10	*2
27	38.2	30	16	40	160	10	*2
28	39.5	30	16	40	170	10	*2
29	40.7	30	17	42	190	10	*2
30	42	30	17	42	190	10	*2
31	43.2	30	17	42	213	10	*2
32	44.5	30	18	42	216	10	*2
34	47	30	19	46	263	5	*2
36	49.5	30	20	46	285	5	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

SURFACE DRIVE

Surface drive sockets are designed to retain contact with the flat sides of the nut in order to transmit high torque and reduce nut wear.
These sockets are ideal for using on polished nuts, aluminum nuts and nuts with worn out points.

Das Profil unserer Surface-Drive Steckschlüssel greift die Schraube an deren Flächen. Dies sichert eine höhere Kraftübertragung und verhindert ein Durchrutschen des Steckschlüssels. Diese Steckschlüssel eignen sich besonders für polierte Schrauben, Aluminium Schrauben und Schrauben bei denen die Ecken bereits abgerundet sind.

Notre profil Surface Drive assure le contact entre la douille et les plats de l'écrou. Ceci réduit l'usure et permet la transmission d'un couple plus élevé. C'est une solution idéale pour les écrous polies, celles en aluminium ou arrondies.

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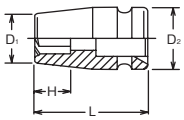
PATHFINDER®

14465M

Pathfinder Sockets
Pathfinder Steckschlüssel
Douilles Pathfinder

14465M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	17	25	8	38	89	10	*1
11	18.2	25	8	38	87	10	*1
12	19.5	25	9	38	87	10	*1
13	20.7	25	9	38	86	10	*1
14	22	25	11	38	86	10	*1
15	23.2	30	11	38	131	10	*2
16	24.5	30	11	38	131	10	*2
17	25.7	30	12	38	132	10	*2
18	27	30	13	38	128	10	*2
19	28.2	30	13	38	128	10	*2
20	29.5	30	14	38	125	10	*2
21	30.7	30	14	38	128	10	*2
22	32	30	15	38	130	10	*2
23	33.2	30	15	38	135	10	*2
24	34.5	30	15	38	135	10	*2
26	37	30	15	38	152	10	*2
27	38.2	30	16	40	169	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➔P268-269



PATHFINDER®

The beveled flats of the 6-points opening of the PATHFINDER socket engage the nut almost immediately. PATHFINDER sockets are ideal for using with power tools in automatic assembly processes, as the power tool does not have to be totally stopped for the socket to engage the nut.

Da die Maschine nicht nach jedem Schraubvorgang angehalten werden muss, ergibt sich eine erhöhte Produktivität, die sich bei vollautomatischen Maschinen (Mehrspindelschrauber) ganz besonders auswirkt.

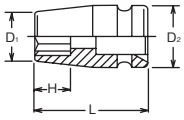
Les parois en biais des douilles en 6-pans Pathfinder assurent l'engagement quasi immédiat de l'écrou. Le fait de ne pas devoir arrêter la machine après chaque serrage, engendre une productivité supérieure dans les châines de montage automatiques.

14415M

Double 4-point Socket
Doppelvierkant Steckschlüssel
Douilles 4-pans, doubles

14415M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	25.7	30	10	38	138	10	*2
15	27	30	11	38	145	10	*2
16	29.5	30	11	38	150	10	*2
17	30.7	30	12	38	155	10	*2
18	32	30	13	38	165	10	*2
19	33.2	30	14	38	170	10	*2
22	38.2	30	14	40	185	10	*2
24	42	30	14	42	215	10	*2
27	45.7	30	16	46	278	5	*2
28	47	30	16	46	285	5	*2
29	49.5	30	17	46	326	5	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42
➔P268-269

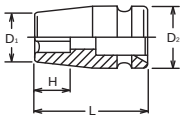


14425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®

14425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E10	14.2	25	8.2	38	86	10	*1
E11	14.7	25	8.7	38	86	10	*1
E12	15.2	25	9.3	38	85	10	*1
E14	18.2	25	10.6	38	88	10	*1
E16	19.2	25	11.8	38	88	10	*1
E18	22.2	25	13	40	89	10	*1
E20	24.2	30	14.4	40	134	10	*2
E22	26.2	30	15.5	40	140	10	*2
E24	28.2	30	17	42	138	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➔P268-269



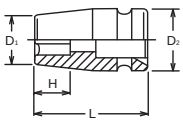
14425 (EPL)

TORXPLUS® Sockets
TORXPLUS® Steckschlüssel
Douilles TORXPLUS®

TORXplus®

14425 (EPL)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10EPL	14.2	25	6.2	38	86	10	*1
12EPL	15.2	25	7.2	38	86	10	*1
14EPL	18.2	25	8.1	38	88	10	*1
16EPL	19.2	25	9.1	38	88	10	*1
18EPL	22.2	25	10.2	38	90	10	*1
20EPL	24.2	30	11.2	38	135	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➔P268-269

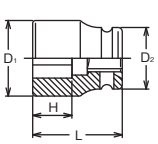


14400-WN

Weld Nut Sockets
Steckschlüssel für Schweissmuttern
Douille pour écrou à souder

14400-WN	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8WN	18.3	25	8	38	93	10	*1
9WN	19.5	25	9	38	93	10	*1
10WN	20.8	25	10	38	92	10	*1
12WN	24.5	30	12	38	139	10	*2
14WN	27	30	14	38	136	10	*2
17WN	32	30	17	40	150	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➔P268-269



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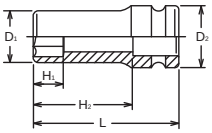
14301X

6-point Semi-Deep Socket, Thin Walled
6-kant Steckschlüssel mittel lang, dünnwandig
Douilles à paroi mince semi-longues, 6-pans

thin

FLAT DRIVE®



14301X (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	42	60	72	10	*1
9	14.2	24	9	42	60	75	10	*1
10	15.5	24	10	42	60	79	10	*1
11	16.7	24	11	42	60	82	10	*1
12	18	24	12	42	60	88	10	*1
13	19.2	24	13	42	60	92	10	*1
14	20.5	24	14	42	60	97	10	*1
15	21.7	29	15	42	60	125	10	*2
16	23	29	16	42	60	135	10	*2
17	24.2	29	17	42	60	142	10	*2
18	25.5	29	18	42	60	148	10	*2
19	26.7	29	19	41	60	151	10	*2
21	29.2	29	21	41	60	170	10	*2
22	30.5	29	22	45	65	187	10	*2
23	31.7	29	23	45	65	192	10	*2
24	33	29	24	45	65	202	10	*2
25	34.2	29	25	44	65	210	10	*2
26	35.5	29	26	44	65	218	10	*2
27	36.7	29	27	44	65	231	10	*2
30	40.5	29	30	44	65	268	10	*2
32	43	29	32	44	65	296	10	*2
33	44.2	29	33	44	65	318	2	*2
34	45.5	29	34	44	65	330	2	*2
36	48	29	36	44	65	350	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

RS14301X/10

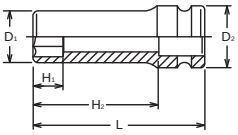
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

thin

RS14301X/10	10 Pieces Set/Rail 300mm	(g)
	10, 12, 13, 14, 17, 19, 21, 22, 24, 27	1,585

14300M / 14300A

6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans



14300A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
5/16	14.5	25	8	62	80	137	10	*1
3/8	17	25	10	62	80	140	10	*1
7/16	18.2	25	11	62	80	156	10	*1
1/2	20.7	25	13	62	80	162	10	*1
9/16	22	25	14	62	80	174	10	*1
5/8	24.5	30	16	62	80	232	10	*2
11/16	25.7	30	17	62	80	232	10	*2
3/4	28.2	30	19	61	80	259	10	*2
13/16	30.7	30	21	61	80	265	10	*2
7/8	32	30	22	65	85	290	10	*2
15/16	34.5	30	24	65	85	329	10	*2
1	35.7	30	25	65	85	345	10	*2
1. 1/16	38.2	30	27	64	85	366	10	*2
1. 1/8	40.7	30	29	63	85	401	10	*2
1. 3/16	42	30	30	63	85	421	10	*2
1. 1/4	44.5	30	32	63	85	458	10	*2
1. 7/16	50.7	30	37	61	85	580	2	*2
1. 1/2	52	30	38	61	85	600	2	*2

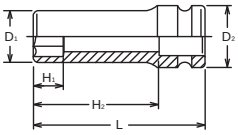
*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	8	62	80	137	10	*1
9	15.7	25	9	62	80	138	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	240	10	*2
20	29.5	30	20	61	80	265	10	*2
21	30.7	30	21	61	80	265	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	329	10	*2
25	35.7	30	25	65	85	345	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	366	10	*2
28	39.5	30	28	64	85	387	10	*2
29	40.7	30	29	63	85	401	10	*2
30	42	30	30	63	85	421	10	*2
31	43.2	30	31	63	85	437	10	*2
32	44.5	30	32	63	85	458	10	*2
33	45.7	30	33	62	85	479	2	*2
34	47	30	33	62	85	496	2	*2
35	48.2	30	35	62	85	523	2	*2
36	49.5	30	36	61	85	534	2	*2
38	52	30	38	60	85	591	2	*2
41	55.7	30	38	60	85	635	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14301M / 14301A

6-point Deep Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince longues, 6-pans



14301M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	62	80	87	10	*1
9	14.2	24	9	62	80	92	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	104	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
20	28	29	20	61	80	203	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
23	31.7	29	23	65	85	253	10	*2
24	33	29	24	65	85	261	10	*2
25	34.2	29	25	65	85	282	10	*2
26	35.5	29	26	64	85	299	10	*2
27	36.7	29	27	64	85	314	10	*2
28	38	29	29	64	85	273	10	*2
29	39.2	29	29	63	85	280	10	*2
30	40.5	29	30	63	85	360	10	*2
31	41.7	29	31	63	85	370	10	*2
32	43	29	32	63	85	380	10	*2
34	45.5	29	34	62	85	411	2	*2
35	46.7	29	35	62	85	450	2	*2
36	48	29	36	61	85	460	2	*2
38	50.5	29	38	61	85	508	2	*2
41	54.2	29	38	60	85	552	2	*2

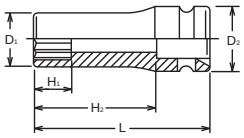
*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14301A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
New 5/16	13	24	8	62	80	87	10	*1
3/8	15.5	24	10	62	80	98	10	*1
7/16	16.7	24	11	62	80	104	10	*1
1/2	19.2	24	13	62	80	120	10	*1
9/16	20.5	24	14	62	80	127	10	*1
5/8	23	29	16	62	80	173	10	*2
11/16	24.2	29	17	62	80	182	10	*2
3/4	26.7	29	19	61	80	197	10	*2
13/16	29.2	29	21	61	80	218	10	*2
7/8	30.5	29	22	65	85	244	10	*2
15/16	33	29	24	65	85	261	10	*2
New 1	34.2	29	25	65	85	282	10	*2
1. 1/16	36.7	29	27	64	85	314	10	*2
1. 1/8	39.2	29	29	63	85	349	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14305M

12-point Deep Sockets
12-kant Steckschlüssel,lang
Douilles longues 12-pans

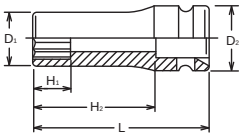


14305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	14.5	25	8	62	80	137	10	*1
10	17	25	10	62	80	140	10	*1
11	18.2	25	11	62	80	156	10	*1
12	19.5	25	12	62	80	162	10	*1
13	20.7	25	13	62	80	162	10	*1
14	22	25	14	62	80	174	10	*1
15	23.2	30	15	62	80	220	10	*2
16	24.5	30	16	62	80	232	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	259	10	*2
20	29.5	30	20	61	80	265	10	*2
21	30.7	30	21	61	80	265	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	329	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	385	10	*2
28	39.5	30	28	64	85	390	10	*2
29	40.7	30	29	63	85	416	10	*2
30	42	30	30	63	85	457	10	*2
32	44.5	30	32	63	85	542	10	*2
33	45.7	30	33	62	85	562	2	*2
36	49.5	30	36	61	85	635	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14306M

12-point Deep Sockets, Thin Walled
12-kant Steckschlüssel, dünnwandig
Douilles à paroi mince longues, 12-pans

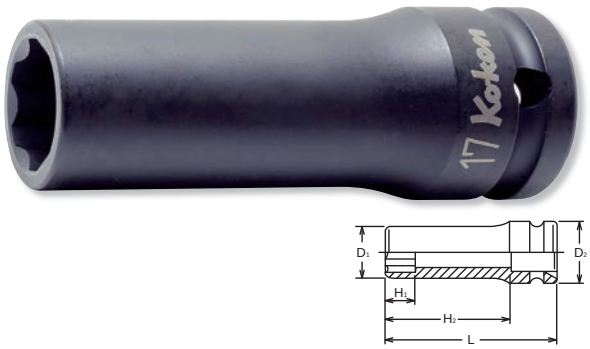


14306M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
8	13	24	8	62	80	88	10	*1
10	15.5	24	10	62	80	98	10	*1
11	16.7	24	11	62	80	104	10	*1
12	18	24	12	62	80	111	10	*1
13	19.2	24	13	62	80	120	10	*1
14	20.5	24	14	62	80	127	10	*1
15	21.7	29	15	62	80	169	10	*2
16	23	29	16	62	80	173	10	*2
17	24.2	29	17	62	80	182	10	*2
18	25.5	29	18	62	80	192	10	*2
19	26.7	29	19	61	80	197	10	*2
21	29.2	29	21	61	80	218	10	*2
22	30.5	29	22	65	85	244	10	*2
24	33	29	24	65	85	261	10	*2
26	35.5	29	26	64	85	299	10	*2
27	36.7	29	27	64	85	314	10	*2
30	40.5	29	30	63	85	360	10	*2
32	43	29	32	63	85	380	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14310M

Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive



SURFACE DRIVE

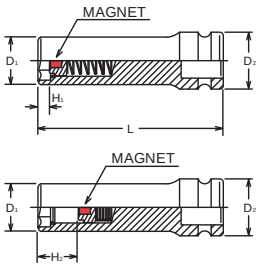
14310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
10	17	25	10	62	80	136	10	*1
11	18.2	25	11	62	80	148	10	*1
12	19.5	25	12	62	80	156	10	*1
13	20.7	25	13	62	80	158	10	*1
14	22	25	14	62	80	170	10	*1
15	23.2	30	15	62	80	225	10	*2
16	24.5	30	16	62	80	228	10	*2
17	25.7	30	17	62	80	232	10	*2
18	27	30	18	62	80	232	10	*2
19	28.2	30	19	61	80	252	10	*2
20	29.5	30	20	61	80	260	10	*2
21	30.7	30	21	61	80	260	10	*2
22	32	30	22	65	85	290	10	*2
23	33.2	30	23	65	85	300	10	*2
24	34.5	30	24	65	85	322	10	*2
25	35.7	30	25	65	85	338	10	*2
26	37	30	26	64	85	350	10	*2
27	38.2	30	27	64	85	380	10	*2
28	39.5	30	28	64	85	390	10	*2
29	40.7	30	29	63	85	416	10	*2
30	42	30	30	63	85	450	10	*2
31	43.2	30	31	63	85	505	10	*2
32	44.5	30	32	63	85	535	10	*2
34	47	30	34	62	85	563	2	*2
36	49.5	30	36	61	85	630	2	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14300G

Impact Socket with Sliding Magnet
Impact Steckschlüssel mit versenkbarem Magnet
Douilles Impact avec aimant, glissant pour écrous

Magnet



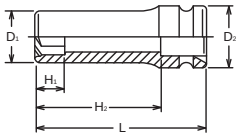
SLIDE MAGNET

14300G (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
10	17	25	4.5	26	80	139	10	*1
12	19.5	25	6	26	80	165	10	*1
13	20.7	25	6.5	25	80	185	10	*1
14	22	25	7	24	80	189	10	*1
15	23.2	30	7	24	80	240	10	*2
16	24.5	30	7.5	26.5	80	270	10	*2
17	25.7	30	8	26.5	80	272	10	*2
18	27	30	8.5	26.5	80	290	10	*2
19	28.2	30	9	27.5	80	308	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14365M

Pathfinder Sockets, deep
Pathfinder Steckschlüssel, lang
Douilles longues, Pathfinder



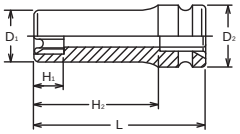
PATHFINDER®

14365M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
10	17	25	8	62	80	138	10	*1
11	18.2	25	8	62	80	144	10	*1
12	19.5	25	9	62	80	165	10	*1
13	20.7	25	9	62	80	170	10	*1
14	22	25	11	62	80	178	10	*1
15	23.2	30	11	62	80	237	10	*2
16	24.5	30	11	62	80	245	10	*2
17	25.7	30	12	62	80	263	10	*2
18	27	30	13	62	80	268	10	*2
19	28.2	30	13	61	80	270	10	*2
20	29.5	30	14	61	80	274	10	*2
21	30.7	30	14	61	80	287	10	*2
22	32	30	15	65	85	314	10	*2
23	33.2	30	15	65	85	320	10	*2
24	34.5	30	15	65	85	335	10	*2
26	37	30	15	64	85	388	10	*2
27	38.2	30	16	64	85	407	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

14325

TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®



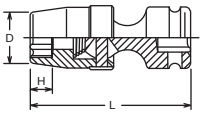
14325 (E)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
E10	14.2	25	8.2	62	80	136	10	*1
E12	15.2	25	9.3	62	80	141	10	*1
E14	18.2	25	10.6	62	80	147	10	*1
E16	19.2	25	11.8	62	80	151	10	*1
E18	22.2	25	13	62	80	218	10	*1
E20	24.2	30	14.4	62	80	225	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

TORX® is a registered trademark of **CAMCAR Innovations.**
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

14440M / 14440A

Universal Sockets
Gelenk-Einsätze
Douilles universelles



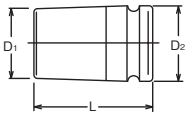
14440M (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
13	20.7	6	67.5	210	10	*2
14	22	7	69.5	210	10	*2
15	23.2	7	69.5	210	10	*2
16	24.5	8	69.5	206	10	*2
17	25.7	8	69.5	220	10	*2
18	27	9	69.5	218	10	*2
19	28.2	10	73.5	260	10	*2
20	29.5	10	73.5	270	10	*2
21	30.7	11	73.5	280	10	*2
22	32	13	73.5	290	10	*2
24	34.5	14	75.5	300	10	*2

14440A (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/2	20.7	6	67.5	210	10	*2
9/16	22	7	69.5	210	10	*2
5/8	24.5	8	69.5	206	10	*2
11/16	25.7	8	69.5	220	10	*2
3/4	28.2	10	73.5	260	10	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➔P268-269

14100M / 14100A

Impact Stud Pullers
Impact Stehbolzendreher
Extracteurs de goujons Impact



Hexagon body design can lessen the excessive load on cages and rollers inside the pullers.

Der neue Körper mit sechs Walzenmulden verteilt den Druck auf den Käfig und die Walzen weitaus vorteilhafter.

La forme hexagonale du corps améliore les tolérances.
Elle répartit l’effort de façon plus uniforme sur la cage et les rouleaux.

14100M (mm)	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
6	24	25	48	126	10	*1
7	24	25	48	126	10	*1
8	24	25	48	122	10	*1
9	28	30	48	181	10	*2
10	28	30	48	181	10	*2
12	28	30	48	175	10	*2

14100A (inch)	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
1/4	24	25	48	126	10	*1
5/16	24	25	48	122	10	*1
3/8	28	30	48	181	10	*2
7/16	28	30	48	181	10	*2
1/2	28	30	48	180	10	*2

*1 C-Ring=C41,Pin/O-Ring=A41/B41
*2 C-Ring=C42,Pin/O-Ring=A42/B42 ➔P268-269

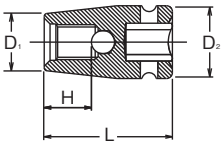
Tolerance

14100M (mm)		14100A (inch)	
6	5.6- 6	**1/4**	6 - 6.4
7	6.6- 7	**5/16**	7.6- 8
8	7.6- 8	**3/8**	9 - 9.6
9	8.4- 9	**7/16**	10.5-11.1
10	9.4-10	**1/2**	12.1-12.7
12	11.4-12		

14103M

Impact Stud Bolt Setters
Impact Stehbolzensetzer
Monte-goujons Impact

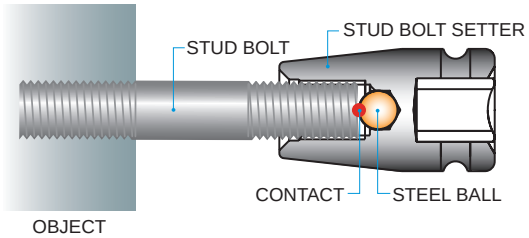
STUD BOLT SETTER



14103M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6(1.0)	12	25	10	42	75	10	*1
7(1.0)	13.2	25	11.4	42	78	10	*1
8(1.25)	14.5	25	11.5	42	81	10	*1
10(1.25)	17	25	13.5	49	106	10	*1
10(1.5)	17	25	13.5	49	106	10	*1
12(1.25)	19.5	25	15.5	49	107	10	*1
12(1.75)	19.5	25	15.5	49	107	10	*1
14(1.5)	22	25	18.2	55	128	10	*1
14(2.0)	22	25	18.2	55	128	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔P268-269

Depend on the stud bolt and using torque, 4103M/13103M/14103M may cause a scratch against the stud bolts or got stuck itself during a work.



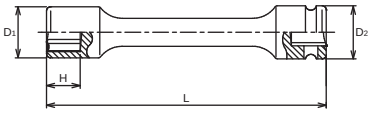
A special socket for installing a stud bolt.
Inside steel ball prevent the stud bolt stuck onto the socket. After installing a stud bolt, turn to anti-clockwise to removing the socket.

Spezialwerkzeug zum Setzen von Stehbolzen. Der Bolzen trifft im Werkzeug nur auf die gehärtete Stahlkugel, was die Kontaktfläche verringert. Nach dem Setzen des Stehbolzens kann das Werkzeug im Linkslauf vom Stehbolzen abgezogen werden.

Douilles spéciales pour monter les goujons.
Le goujon est en contact avec une bille d’acier pour l’empêcher d’adhérer à la douille.
Après avoir posé le goujon, tourner dans le sens antihorlogique pour le retirer

14145M-100 / -150 / -200 / -250

Extra Long Sockets
Schaftsteckschlüssel
Douilles, série allongée



14145M-100 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	100	155	1	*1
12	19.5	25	12	100	165	1	*1
14	22	25	14	100	180	1	*1
17	25.7	25	17	100	210	1	*1
19	28.2	25	19	100	230	1	*1

14145M-150 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	150	190	1	*1
12	19.5	25	12	150	204	1	*1
13	20.7	25	13	150	216	1	*1
14	22	25	14	150	228	1	*1
15	23.2	25	15	150	240	1	*1
16	24.5	25	16	150	245	1	*1
17	25.7	25	17	150	253	1	*1
18	27	25	18	150	260	1	*1
19	28.2	25	19	150	267	1	*1

14145M-250 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	250	278	1	*1
12	19.5	25	12	250	292	1	*1
13	20.7	25	13	250	304	1	*1
14	22	25	14	250	316	1	*1
15	23.2	25	15	250	328	1	*1
16	24.5	25	16	250	335	1	*1
17	25.7	25	17	250	341	1	*1
18	27	25	18	250	350	1	*1
19	28.2	25	19	250	355	1	*1

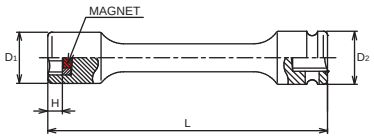
14145M-200 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	17	25	10	200	234	1	*1
12	19.5	25	12	200	248	1	*1
13	20.7	25	13	200	260	1	*1
14	22	25	14	200	272	1	*1
15	23.2	25	15	200	284	1	*1
16	24.5	25	16	200	290	1	*1
17	25.7	25	17	200	297	1	*1
18	27	25	18	200	305	1	*1
19	28.2	25	19	200	311	1	*1

*1 C-Ring=41C, Pin/O-Ring=A41/B41 ➔P268-269

14145MG-150 / -200

MG Extra Long Socket with Magnet
Schaftsteckschlüssel mit Magnet
Douilles, série allongée, avec aimant

Magnet



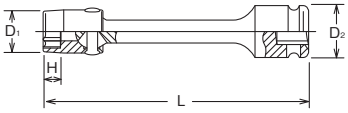
	14145MG-150 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
New	**10**	17	25	4.2	150	195	1	*1
New	**12**	19.5	25	5.6	150	210	1	*1
New	**14**	22	25	6.4	150	230	1	*1
New	**17**	25.7	25	7.5	150	266	1	*1

	14145MG-200 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
New	**10**	17	25	4.2	200	240	1	*1
New	**12**	19.5	25	5.6	200	254	1	*1
New	**14**	22	25	6.4	200	275	1	*1
New	**17**	25.7	25	7.5	200	313	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔P268-269

14146M-150 / -200 / -250

Extra Long Universal Sockets
Schaftsteckschlüssel mit Gelenk
Douilles, articulées, série allongée



14146M-150 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	150	197	1	*1
12	19.3	25	7.5	150	200	1	*1
13	20	25	8	150	201	1	*1
14	21	25	8.5	150	203	1	*1
15	22	25	9	150	201	1	*1
16	23	25	9.5	150	200	1	*1
17	25	25	9.5	150	200	1	*1
18	26	25	11	150	210	1	*1
19	28	25	11.5	150	210	1	*1

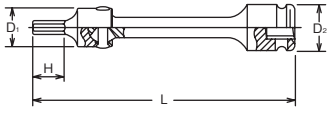
14146M-200 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	200	241	1	*1
12	19.3	25	7.5	200	244	1	*1
13	20	25	8	200	245	1	*1
14	21	25	8.5	200	247	1	*1
15	22	25	9	200	245	1	*1
16	23	25	9.5	200	244	1	*1
17	25	25	9.5	200	244	1	*1
18	26	25	11	200	250	1	*1
19	28	25	11.5	200	254	1	*1

14146M-250 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	16	25	6.5	250	285	1	*1
12	19.3	25	7.5	250	288	1	*1
13	20	25	8	250	289	1	*1
14	21	25	8.5	250	291	1	*1
15	22	25	9	250	289	1	*1
16	23	25	9.5	250	288	1	*1
17	25	25	9.5	250	288	1	*1
18	26	25	11	250	290	1	*1
19	28	25	11.5	250	299	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➡P268-269

14147M-150 / -200

Extra Long Universal Inhex Sockets
Schaftsteckschlüssel mit Aussensechskant Gelenk
Douilles, articulées, à 6-pans mâle, série allongée



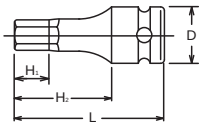
14147M-150 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
6	25	25	15	150	200	1	*1
8	25	25	15	150	205	1	*1
10	25	25	15	150	210	1	*1
12	25	25	15	150	217	1	*1

14147M-200 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
6	25	25	15	200	244	1	*1
8	25	25	15	200	249	1	*1
10	25	25	15	200	254	1	*1
12	25	25	15	200	261	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➡P268-269

14012M-60

Inhex Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux



14012M-60 (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
4	25	15.5	38	60	68	10	*1
5	25	15.5	38	60	71	10	*1
6	25	15.5	38	60	74	10	*1
7	25	15.5	38	60	80	10	*1
8	25	15.5	38	60	84	10	*1
10	30	15.5	38	60	140	10	*2
12	30	15.5	38	60	150	10	*2
14	30	15.5	38	60	170	10	*2
16	30	15.5	38	60	180	10	*2
17	30	15.5	38	60	190	10	*2
18	30	15.5	38	60	200	10	*2
19	30	15.5	38	60	210	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➔P268-269

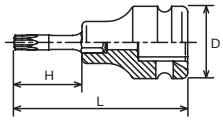
RS14012M/10-L60

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS14012M/10-L60	10 Pieces Set/Rail 300mm	(g)
4, 5, 6, 7, 8, 10, 12, 14, 17, 19		1,300

14025-60 / -100

TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis,TORX®



14025-60 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T20	25	23.5	60	75	10	*1
T25	25	23.5	60	75	10	*1
T27	25	23.5	60	75	10	*1
T30	25	23.5	60	80	10	*1
T40	25	23.5	60	85	10	*1
T45	25	23.5	60	85	10	*1
T50	25	23.5	60	95	10	*1
T55	25	23.5	60	110	10	*1
T60	30	23.5	60	160	10	*2

14025-100 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T30	25	73.5	100	85	10	*1
T40	25	73.5	100	95	10	*1
T45	25	73.5	100	102	10	*1
T50	25	73.5	100	120	10	*1
T55	25	73.5	100	155	10	*1
T60	30	73.5	100	220	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➔P268-269

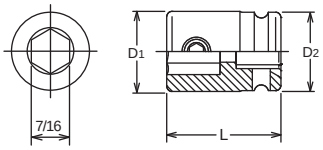
RS14025/6-L60

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS14025/6-L60	6 Pieces Set/Rail 200mm	(g)
T30, T40, T45, T50, T55, T60		650

14134

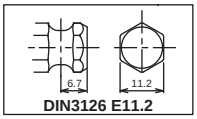
Impact Bit Holder
Impact Klingenhalter
Porte embouts Impact



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14134	24	25	38	90	10	*1

*1 C-Ring=C41,Pin/O-Ring=A41/B41
➔P268-269

For DIN3126 E11.2 Bits
Für DIN3126 E11.2 Bits
Pour DIN3126 E11.2 Embouts



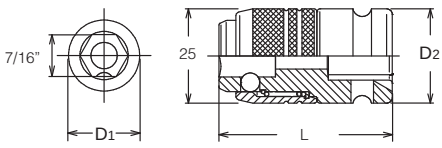
F11.2

16134-SC

Replacement Screw : M8×6, ⬢ 4mm
Ersatzschraube : M8×6, ⬢ 4mm
Vis de remplacement : M8×6, ⬢ 4mm

14142-F11.2

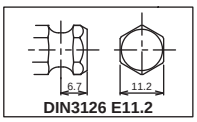
Impact Bit Holder (Quick Release)
Impact Klingenhalter (Quick Release)
Porte embouts Impact (Quick Release)



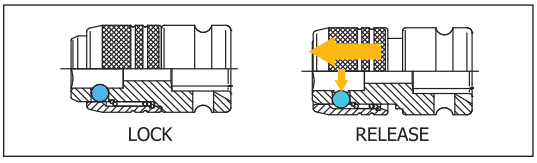
	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14142-F11.2	18.9	25	46	207	10	*1

*1 C-Ring=C41,Pin/O-Ring=A41/B41
➔P268-269

For DIN3126 E11.2 Bits
Für DIN3126 E11.2 Bits
Pour DIN3126 E11.2 Embouts



F11.2



You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

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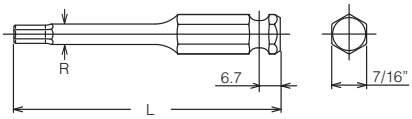
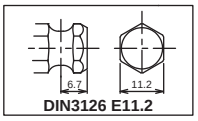
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

183H-35 / -75 / -150

Hex Bits
Sechskant Bits
Embouts, 6 pans creux





183H-35 (mm)	L (mm)	(g)	(pcs.)	
3	35	15	10	
4	35	15	10	
5	35	15	10	
6	35	18	10	
7	35	19	10	
8	35	20	10	
9	35	23	10	
10	35	26	10	
11	35	28	10	
12	35	30	10	⚠
14	35	35	10	⚠
16	35	47	10	⚠
17	35	50	10	⚠
18	35	53	10	⚠
19	35	56	10	⚠

183H-35 (inch)	L (mm)	(g)	(pcs.)	
3/16	35	15	10	
7/32	35	16	10	
1/4	35	18	10	
5/16	35	20	10	
3/8	35	26	10	
7/16	35	28	10	
1/2	35	38	10	⚠

183H-75 (mm)	L (mm)	R (mm)	(g)	(pcs.)	
3	75	6	34	10	
4	75	6	35	10	
5	75	6.5	36	10	
6	75	7.5	39	10	
7	75	8.5	44	10	
8	75	9.5	47	10	
10	75	–	57	10	
11	75	–	60	10	
12	75	–	65	10	⚠
14	75	–	79	10	⚠

183H-150 (mm)	L (mm)	R (mm)	(g)	(pcs.)	
4	150	6	51	10	
5	150	6.5	55	10	
6	150	7.5	65	10	
8	150	9.5	87	10	
10	150	–	118	10	
12	150	–	136	10	⚠

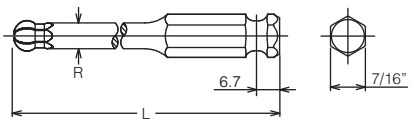
⚠ The items with ⚠ have larger output sizes than 7/16" Input drive.
Due to this design the maximum output torque rating is less than standard.

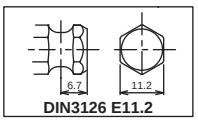
Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 7/16" Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 7/16".
En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

183H-75B / -150B

Ball-point Hex Bits
Sechskant Bits mit Kugelkopf
Embouts hexagonaux à tête sphérique



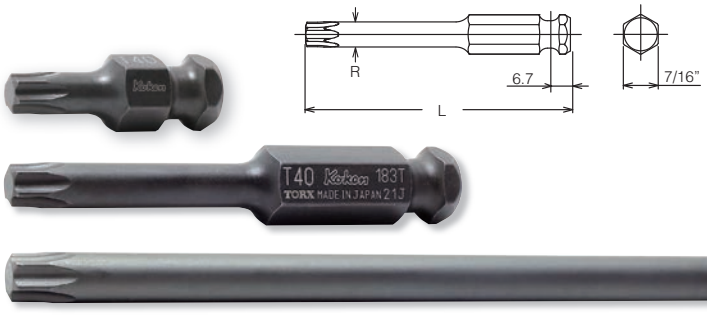


	183H-75B (mm)	L (mm)	R (mm)	(g)	(pcs.)
New	**6B**	75	5.7	39	10
New	**8B**	75	7.7	44	10
New	**10B**	75	9.7	49	10
New	**12B**	75	11.7	72	10

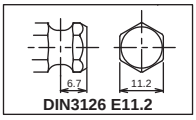
	183H-150B (mm)	L (mm)	R (mm)	(g)	(pcs.)
New	**6B**	150	5.7	65	10
New	**8B**	150	7.7	71	10
New	**10B**	150	9.7	92	10
New	**12B**	150	11.7	135	10

183T-35 / -75 / -150 (T)

TORX® Bits
TORX® Bits
Embouts, TORX®



183T-35 (T)	L (mm)	(g)	(pcs.)
T25	35	18	10
T30	35	18	10
T40	35	20	10
T45	35	22	10
T50	35	26	10
T55	35	30	10
T60	35	38	10 ⚠



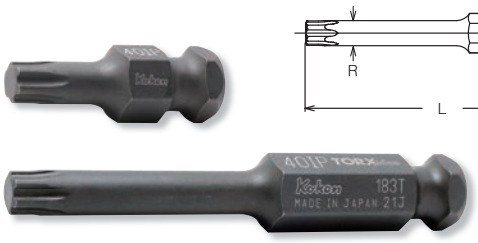
DIN3126 E11.2

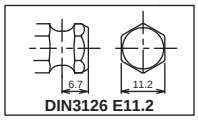
183T-75 (T)	L (mm)	R (mm)	(g)	(pcs.)
New **T25**	75	6	33	10
New **T27**	75	6	33	10
T30	75	6	35	10
T40	75	6.9	37	10
T45	75	8	41	10
T50	75	9	45	10
T55	75	11.4	55	10
T60	75	13.5	67	10 ⚠

183T-150 (T)	L (mm)	R (mm)	(g)	(pcs.)
T30	150	6	50	10
T40	150	6.9	58	10
T45	150	8	70	10
T50	150	9	82	10
T55	150	11.4	113	10
New **T60**	150	13.5	148	10 ⚠

183T-35 / -75 (IP)

TORXPLUS® Bits
TORXPLUS® Bits
Embouts TORXPLUS®





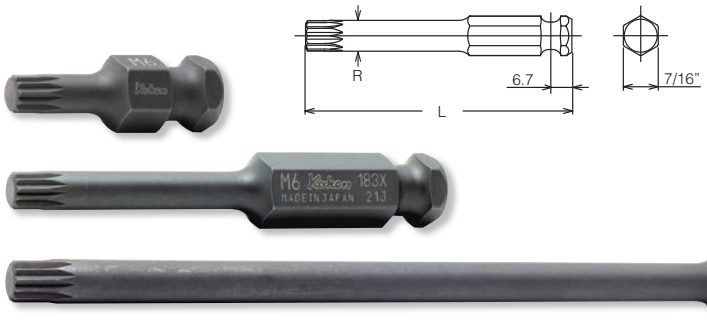
DIN3126 E11.2

183T-35 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10 ⚠

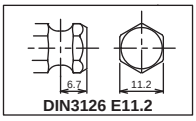
183T-75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10 ⚠

183X-35 / -75 / -150 (XZN)

XZN Bits
XZN Bits
Embouts, XZN



183X-35 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10 ⚠



DIN3126 E11.2

183X-75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10 ⚠

183X-150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10
New **M14**	150	13.5	151	10 ⚠

⚠ The items with ⚠ have larger output sizes than 7/16" Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 7/16" Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 7/16".
En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

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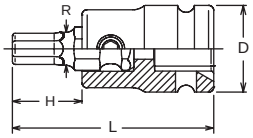
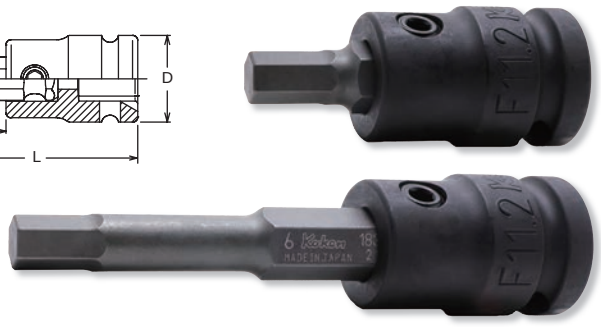
14134M-58 / -98

Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux





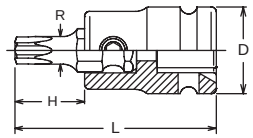
14134M-58 (mm)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
3	25	20	58	6	105	10	*1
4	25	20	58	6	105	10	*1
5	25	20	58	6.5	105	10	*1
6	25	20	58	7.5	108	10	*1
7	25	20	58	8.5	110	10	*1
8	25	20	58	9.5	110	10	*1
10	25	20	58	–	116	10	*1
12	25	20	58	–	120	10	*1 ⚠
14	25	20	58	–	125	10	*1 ⚠

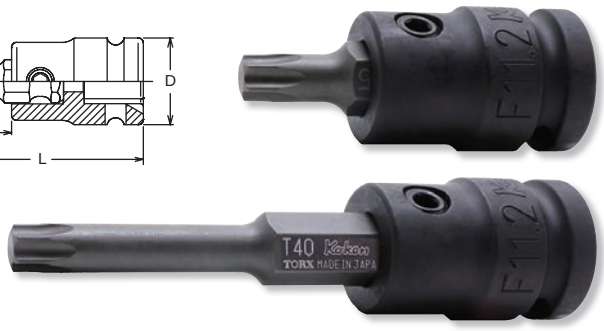
14134M-98 (mm)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
3	25	20	98	6	124	5	*1
4	25	20	98	6	125	5	*1
5	25	20	98	6.5	126	5	*1
6	25	20	98	7.5	129	5	*1
7	25	20	98	8.5	135	5	*1
8	25	20	98	9.5	137	5	*1
10	25	20	98	–	147	5	*1
12	25	20	98	–	155	5	*1 ⚠
14	25	20	98	–	169	5	*1 ⚠

*1 C-Ring=C41,Pin/O-Ring=A41/B41 ➡P268-269

14134T-58 / -98 (T)

Bit Holder complete with TORX® Bit
Klingenhalter, komplett mit TORX® Klinge
Porte embouts avec bit TORX®





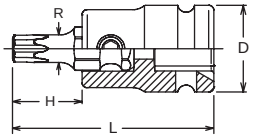
14134T-58 (T)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
T25	25	20	58	6	108	10	*1
T30	25	20	58	6	108	10	*1
T40	25	20	58	6.9	110	10	*1
T45	25	20	58	8	112	10	*1
T50	25	20	58	9	116	10	*1
T55	25	20	58	11.4	120	10	*1
T60	25	20	58	13.5	128	10	*1 ⚠

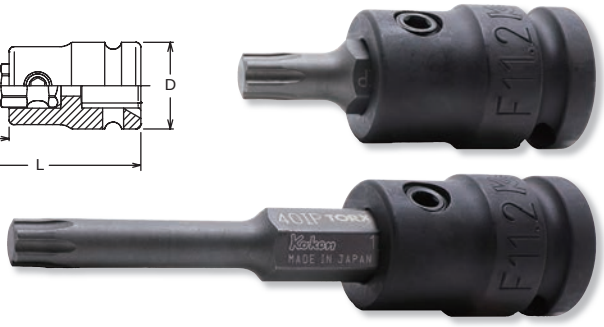
14134T-98 (T)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
T30	25	20	98	6	125	5	*1
T40	25	20	98	6.9	127	5	*1
T45	25	20	98	8	131	5	*1
T50	25	20	98	9	135	5	*1
T55	25	20	98	11.4	145	5	*1
T60	25	20	98	13.5	157	5	*1 ⚠

*1 C-Ring=C41,Pin/O-Ring=A41/B41 ➡P268-269

14134T-58 / -98 (IP)

Bit Holder complete with TORXPLUS® Bit
Klingenhalter, komplett mit TORXPLUS® Klinge
Porte embouts avec bit TORXPLUS®





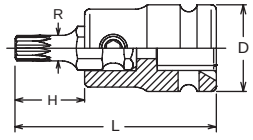
14134T-58 (IP)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
30IP	25	20	58	6	108	10	*1
40IP	25	20	58	6.8	110	10	*1
45IP	25	20	58	8	112	10	*1
50IP	25	20	58	9	116	10	*1
55IP	25	20	58	11.4	120	10	*1
60IP	25	20	58	13.5	128	10	*1 ⚠

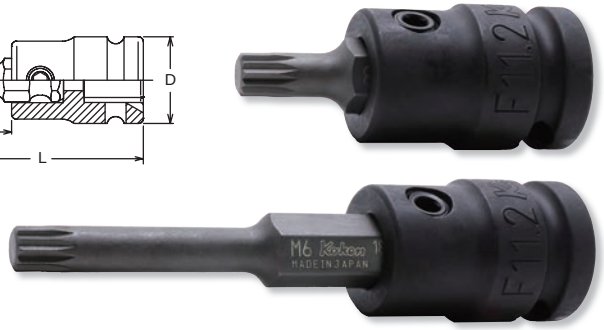
14134T-98 (IP)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
30IP	25	20	98	6	125	5	*1
40IP	25	20	98	6.8	127	5	*1
45IP	25	20	98	8	131	5	*1
50IP	25	20	98	9	135	5	*1
55IP	25	20	98	11.4	146	5	*1
60IP	25	20	98	13.5	159	5	*1 ⚠

*1 C-Ring=C41,Pin/O-Ring=A41/B41 ➡P268-269

14134X-58 / -98 (XZN)

Bit Holder complete with XZN Bit
Klingenhalter, komplett mit XZN Klinge
Porte embouts avec bit XZN





14134X-58 (XZN)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
M 5	25	20	58	6	108	10	*1
M 6	25	20	58	6.2	110	10	*1
M 8	25	20	58	7.4	112	10	*1
M10	25	20	58	9.8	116	10	*1
M12	25	20	58	11.7	120	10	*1
M14	25	20	58	13.5	128	10	*1 ⚠

14134X-98 (XZN)	D (mm)	H (mm)	L (mm)	R (mm)	(g)	(pcs.)	
M 5	25	20	98	6	124	5	*1
M 6	25	20	98	6.2	126	5	*1
M 8	25	20	98	7.4	129	5	*1
M10	25	20	98	9.8	144	5	*1
M12	25	20	98	11.7	149	5	*1
M14	25	20	98	13.5	159	5	*1 ⚠

*1 C-Ring=C41,Pin/O-Ring=A41/B41 ➡P268-269

⚠ The items with ⚠ have larger output sizes than 7/16" Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 7/16" Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

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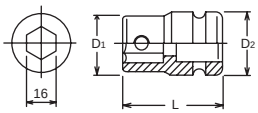
14106

Bit Holder
Klingenhalter
Porte-embout



	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14106	28	30	43	160	10	*2

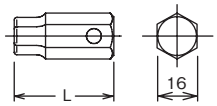
*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➡P268-269

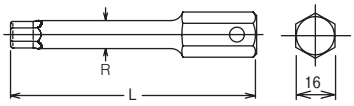
14106-SC

Replacement Screw : M6x8, ⬢3mm

107-16

Bits for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans males creux





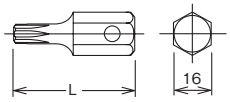
107-16 (mm)	L (mm)	(g)	(pcs.)	
10	40	46	10	
12	40	52	10	
13	40	56	10	
14	40	60	10	
16	40	69	10	
17	40	73	10	⚠
18	40	78	10	⚠
19	40	80	10	⚠
22	40	97	10	⚠

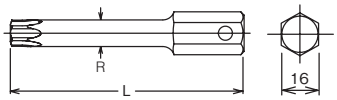
107-16 (inch)	L (mm)	(g)	(pcs.)	
3/8	40	45	10	
7/16	40	53	10	
1/2	40	56	10	
9/16	40	60	10	
5/8	40	69	10	
3/4	40	80	10	⚠

107-16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)	
10	100	13	118	10	
12	100	15	141	10	
14	100	–	163	10	
17	100	–	185	10	⚠
19	100	–	228	10	⚠
22	100	–	293	10	⚠

107-16 (T)

TORX® Bits
TORX® Klingen
Embouts, TORX®



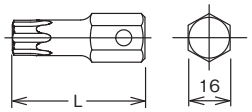


107-16 (T)	L (mm)	(g)	(pcs.)
T45	50	45	10
T50	50	50	10
T55	50	57	10
T60	50	64	10
T70	50	73	10

107-16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
T45	100	8	95	10
T50	100	9	100	10
T55	100	11.4	104	10
T60	100	13.4	123	10
T70	100	15.7	148	10

107-16 (IP)

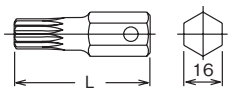
TORXPLUS® Bits
TORXPLUS® Klingen
Embouts TORXPLUS®

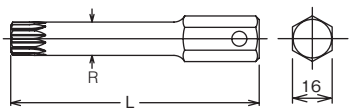


107-16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107-16 (XZN)

Bits XZN
Klingen XZN
Embouts de vissage, XZN





107-16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

107-16(L100) (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

⚠ The items with ⚠ have larger output sizes than 16mm Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 16mm Antrieb. Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d’un ⚠ ont des tailles de sortie plus importantes que l’entraînement d’entrée 16mm. En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

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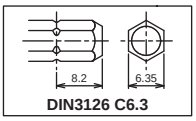
14139 Bit Holder
Klingenhalter
Porte-embouts

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14139-1/4	11	25	35	62	10	*1

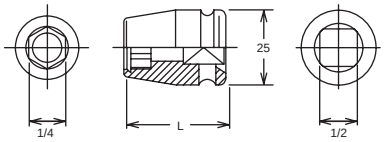
*1 C-Ring=C41,Pin/O-Ring=A41/B41 ➡P268-269

For DIN3126 C6.3 Bits
Für DIN3126 C6.3 Bits
Pour DIN3126 C6.3 Embouts



DIN3126 C6.3

D6.3

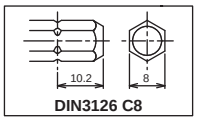


14140 Bit Holder
Klingenhalter
Porte-embouts

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14140-5/16	14	25	35	62	10	*1

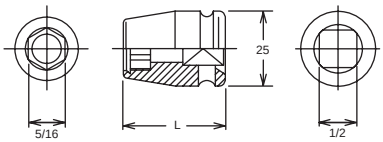
*1 C-Ring=C41,Pin/O-Ring=A41/B41 ➡P268-269

For DIN3126 C8 Bits
Für DIN3126 C8 Bits
Pour DIN3126 C8 Embouts



DIN3126 C8

D8

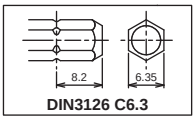


14142-D6.3 Bit Holder (Quick Release)
Kingenhalter (Schnellwechselfutter)
Porte embouts (mandrin autoserrant)

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14142-D6.3	16	25	55	97	10	*1

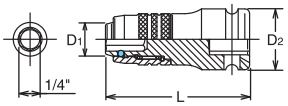
*1 C-Ring=C41,Pin/O-Ring=A41/B41 ➡P268-269

For DIN3126 C6.3 Bits
Für DIN3126 C6.3 Bits
Pour DIN3126 C6.3 Embouts



DIN3126 C6.3

D6.3



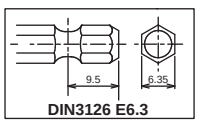
You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.
Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

14142-F6.3 Bit Holder (Quick Release)
Kingenhalter (Schnellwechselfutter)
Porte embouts (mandrin autoserrant)

	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14142-F6.3	16.5	25	55	100	10	*1

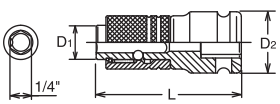
*1 C-Ring=C41,Pin/O-Ring=A41/B41 ➡P268-269

For DIN3126 E6.3 Bits
Für DIN3126 E6.3 Bits
Pour DIN3126 E6.3 Embouts

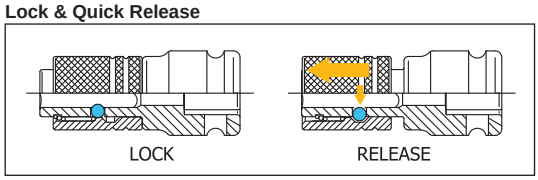


DIN3126 E6.3

F6.3



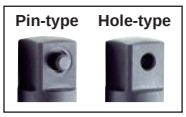
Lock & Quick Release

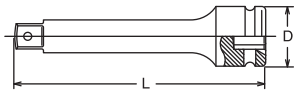


You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.
Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

14760

Extension Bars
Verlängerungen
Rallonges





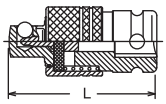
	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
14760-50	Hole	30	50	150	10	*2
14760-75	Hole	30	75	188	10	*2
14760-100	Hole	30	100	240	10	*2
14760-125	Hole	30	125	275	5	*2
14760-150	Hole	30	150	300	5	*2
14760-175	Hole	30	175	358	5	*2
14760-200	Hole	30	200	405	5	*2
14760-250	Hole	30	250	480	1	*2
14760-300	Hole	30	300	575	1	*2

	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
14760-50P	Pin	30	50	150	10	*2
14760-75P	Pin	30	75	188	10	*2
14760-100P	Pin	30	100	240	10	*2
14760-125P	Pin	30	125	275	5	*2
14760-150P	Pin	30	150	300	5	*2
14760-175P	Pin	30	175	358	5	*2
14760-200P	Pin	30	200	405	5	*2
14760-250P	Pin	30	250	480	1	*2
14760-300P	Pin	30	300	575	1	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➔P268-269

14444AL

Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)

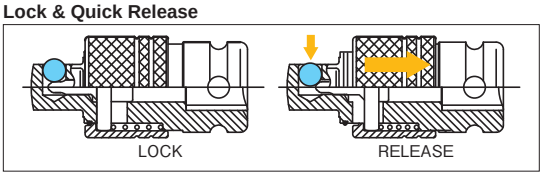


LOCKING ADAPTOR

	L (mm)	(g)	(pcs.)	
14444AL	60	128	10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔P268-269

Lock & Quick Release



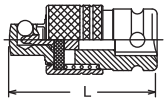
You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

14466AL

Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)



	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14466AL	1/2"	3/4"	75	460	5	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➔P268-269

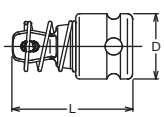
You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

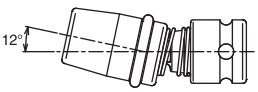
Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d'éviter l'échauffement par frottement et la réduction par usure la réduction par l'usure.

14444WA

Angle-Adaptor with Return Spring
Winkeladapter mit Rückholfeder
Adaptateur angulaire avec ressort de rappel



Use a Pin/O-ring to attach a socket to 14444WA



		D (mm)	L (mm)	(g)	(pcs.)	
New	14444WA	25	47	83	10	*1

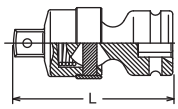
*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔P268-269

It is strongly recommended to check the tightening torque for applications with the adapters 13333WA and 14444WA, as the reduced square drive reduces the overall torques.

Es wird dringend empfohlen, bei Anwendungen mit den Adaptern 13333WA und 14444WA das Anzugsmoment zu überprüfen, da der reduzierte Vierkantantrieb die Gesamtdrehmomente verringert.

Il est fortement recommandé de vérifier le couple de serrage pour les applications avec les adaptateurs 13333WA et 14444WA, car l'entraînement carré réduit diminue les couples totaux.

14770 Universal Joint / Gelenk-Einsatz / Joint articulé



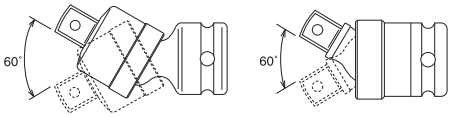
	TYPE	L (mm)	(g)	(pcs.)	
14770-P	Pin	74	210	5	*2
New **14770-B**	Ball	74	210	5	*2
14770	Hole	74	210	5	*2
14771-P	Pin	65	198	5	*2
New **14771-B**	Ball	65	198	5	*2
14771	Hole	65	198	5	*2

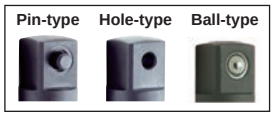
*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➔P268-269

Our ball joints are spring-loaded and can therefore be adjusted to an angle of max. 30°.

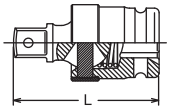
Unsere Kugelgelenke sind federbelastet dadurch sind sie auf einen Winkel von max 30° einstellbar.

Nos joints à rotule sont à ressort et peuvent donc être réglés jusqu’à un angle de 30° maximum.





14771 Universal Joint / Gelenk-Einsatz / Joint articulé

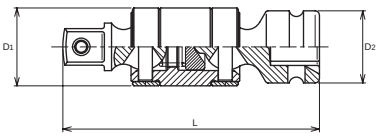


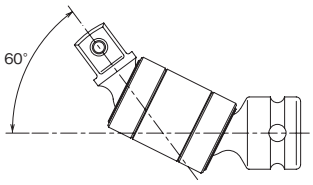
14772 Universal Double Joint / Doppelgelenk-Einsatz / Joint articulé double

UNIVERSAL DOUBLE JOINT

	TYPE	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
14772-P	Pin	27	25	90	230	5	*1
14772-B	Hole	27	25	90	230	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔P268-269

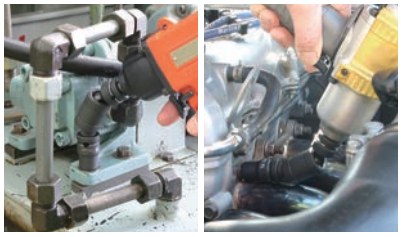




13772 and 14772 have less load capacity than standard. In the interest of your safety always use properly.

Die Doppelgelenke 13772 und 14772 haben eine geringere Belastbarkeit als das Standardgelenk. Im Interesse Ihrer Sicherheit sollten Sie sie immer richtig verwenden.

Les doubles articulations 13772 et 14772 ont une capacité de charge inférieure à celle de l’articulation standard. Pour votre propre sécurité, vous devez toujours les utiliser correctement.

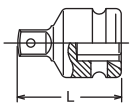


Make sure sockets hold bolts or nuts before operation.

Vergewissern Sie sich vor dem Gebrauch, dass der Steckschlüssel die Schraube sicher umfasst hat.

Avant la manipulation, il est nécessaire de s’assurer que la douille renferme parfaitement la vis.

14433A Adaptor / Verbindungsstück / Réducteur — No Warranty / Keine Garantie / Sans Garantie



	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14433A-P	Pin	1/2"	3/8"	37.5	68	10	*1
New **14433A-B**	Ball	1/2"	3/8"	37.5	68	10	*1
14433A	Hole	1/2"	3/8"	37.5	68	10	*1

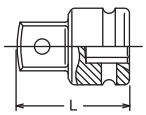
*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➔P268-269

Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d’appliquer aux articles marqués ⚠ des couples de serrage susceptibles d’occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d’une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

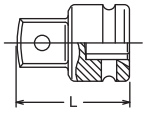
14455A Adaptor / Verbindungsstück / Augmentateur



	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14455A	1/2"	5/8"	42	135	10	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➔P268-269

14466A Adaptor / Verbindungsstück / Augmentateur



	TYPE	(sq.)	(sq.)	L (mm)	(g)	(pcs.)	
14466A	Hole	1/2"	3/4"	44	146	10	*2
New **14466A-B**	Ball	1/2"	3/4"	44	146	10	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➔P268-269

14209M

Socket Sets
Steckschlüssel Sätze
Jeu de clés à douilles

14209M	10 Pieces Set/=830g
METAL CASE:W190×H59×T45mm	
Bits	Bit Holder
183H.35 Hex Bits 5, 6, 8, 10	**14134** Bit Holder
107.16 Hex Bits 12, 14, 17, 19	**14106** Bit Holder

16 × 16
E11.2 × F11.2 **DIN3126**

14210M

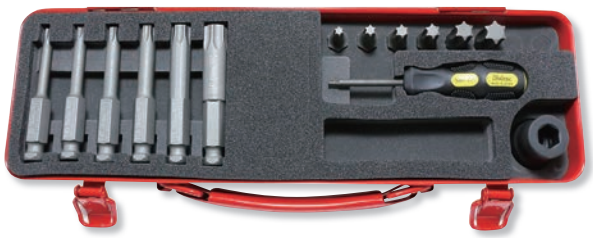
Socket Sets
Steckschlüssel Sätze
Jeu de clés à douilles

14210M	18 Pieces Set/=1,250g
METAL CASE:W310×H90×T48mm	
Bits	Bit Holder
183H.35 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	**14134** Bit Holder
183H.75 Hex Bits 4, 5, 6, 7, 8, 10, 12, 14	**168H-4 (40)** Screwdriver

E11.2 × F11.2 **DIN3126**

14210T

Socket Sets
Steckschlüssel Sätze
Jeu de clés à douilles

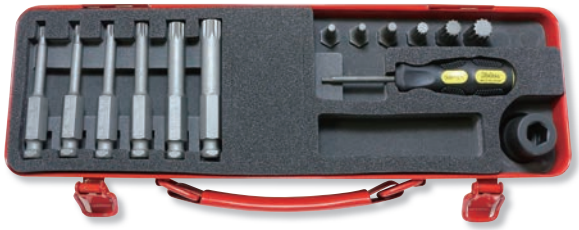


14210T	14 Pieces Set/=1,080g
METAL CASE:W310×H90×T48mm	
Bits	Bit Holder
183T.35 TORX® Bits T30, T40, T45, T50, T55, T60	**14134** Bit Holder
183T.75 TORX® Bits T30, T40, T45, T50, T55, T60	**168H-4 (40)** Screwdriver

E11.2 × F11.2 **DIN3126**

14210X

Socket Sets
Steckschlüssel Sätze
Jeu de clés à douilles



14210X	14 Pieces Set/=1,040g
METAL CASE:W310×H90×T48mm	
Bits	Bit Holder
183X.35 XZN Bits M4, M5, M6, M8, M10, M12	**14134** Bit Holder
183X.75 XZN Bits M4, M5, M6, M8, M10, M12	**168H-4 (40)** Screwdriver

E11.2 × F11.2 **DIN3126**

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TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

14207M

Socket Set
Steckschlüssel Satz
Jeu de clés à douilles

14207M	10 Pieces Set/=2,700g
METAL CASE:W310×H90×T48mm	
Sockets	
14300M 6-pt Deep Sockets 10, 12, 13, 14, 17, 19, 21, 22, 24, 27	

14208M

Socket Set
Steckschlüssel Satz
Jeu de clés à douilles

14208M	13 Pieces Set/=3,740g
METAL CASE:W395×H90×T50mm	
Sockets	
14300M 6-pt Deep Sockets 10, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27	

14241M-00
14241M-05

Socket Set
Steckschlüssel Satz
Jeu de clés à douilles

14241M-00	13 Pieces Set/=2,000g
METAL CASE:W196×H100×T45mm	
Sockets	
14400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27	

14241M-05	13 Pieces Set/=2,000g
METAL CASE:W196×H100×T45mm	
Sockets	
14405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 24, 27	

14242M

Socket Set
Steckschlüssel Satz
Jeu de clés à douilles

14242M	12 Pieces Set/=1,890g
METAL CASE:W310×H90×T48mm	
Sockets	
14400M 6-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 19, 21, 22, 27	

14245M-00
14245M-05

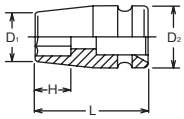
Socket Set
Steckschlüssel Satz
Jeu de clés à douilles

14245M-00	18 Pieces Set/=2,250g
METAL CASE:W310×H90×T48mm	
Sockets	Accessories
14400M 6-pt. Sockets 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	**14760-125P** **14770-P** **A41, A42** **B41, B42**

14245M-05	18 Pieces Set/=2,250g
METAL CASE:W310×H90×T48mm	
Sockets	Accessories
14405M 12-pt. Sockets 10, 12, 13, 14, 16, 17, 18, 19, 21, 22, 24, 27	**14760-125P** **14770-P** **A41, A42** **B41, B42**

15400M

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



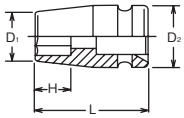
FLAT DRIVE®

15400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

*1 Pin/O-Ring=A51/B51 ➡P269

15400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

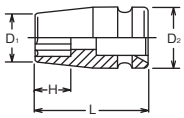


15400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New **9/16**	24	35	10	47.5	220	5	*1
New **5/8**	26.5	35	11	47.5	225	5	*1
New **11/16**	27.8	35	12	47.5	225	5	*1
New **3/4**	30.3	35	13	47.5	225	5	*1
New **13/16**	32.8	35	15	47.5	225	5	*1
New **7/8**	34	35	15	47.5	225	5	*1
New **15/16**	36.5	35	16	50.5	245	5	*1

*1 Pin/O-Ring=A51/B51 ➡P269

15410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



SURFACE DRIVE

15410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
14	24	35	10	47.5	220	5	*1
17	27.8	35	12	47.5	225	5	*1
19	30.3	35	13	47.5	225	5	*1
21	32.8	35	15	47.5	225	5	*1
22	34	35	15	47.5	225	5	*1
23	35.4	35	16	47.5	225	5	*1
24	36.5	35	16	50.5	245	5	*1
26	39	35	16	50.5	260	5	*1

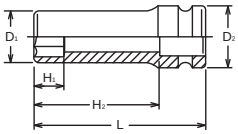
*1 Pin/O-Ring=A51/B51 ➡P269

15300M

6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans

15300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=A51/B51 ➡P269

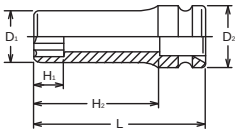


15310M

Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive

15310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
14	24	35	14	71	90	295	2	*1
17	27.8	35	17	71	90	325	2	*1
19	30.3	35	19	71	90	350	2	*1
21	32.8	35	21	71	90	380	2	*1
22	34	35	22	71	90	390	2	*1

*1 Pin/O-Ring=A51/B51 ➡P269



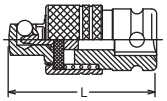
LOCKING ADAPTOR

15555AL

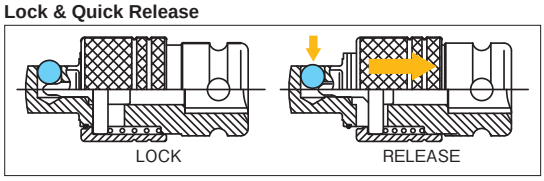
Adaptor (Quick Release)
Schnellwechsel-Verbindungsstück (Quick Release)
Adaptateur (Quick Release)

	L (mm)	(g)	(pcs.)	
15555AL	70	310	2	*1

*1 Pin/O-Ring=A51/B51 ➡P269



Lock & Quick Release



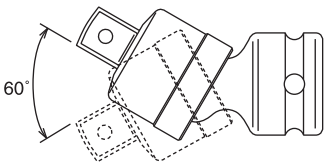
You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.
Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d’éviter l’échauffement par frottement et la réduction par usure la réduction par l’usure.

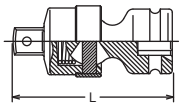
15770

Universal Joint
Gelenk-Einsatz
Joint articulé

	L (mm)	(g)	(pce.)	
15770	88	420	1	*1

*1 Pin/O-Ring=A51/B51 ➡P269





15544A

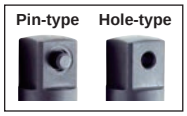
Adaptor
Verbindungsstück
Réducteur

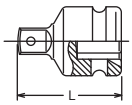
No Warranty
Keine Garantie
Sans Garantie

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
15544A-P	5/8"	1/2"	46	165	1	*1
15544A	5/8"	1/2"	46	165	1	*1

*1 Pin/O-Ring=A51/B51 ➡P269

Pin-type Hole-type





Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

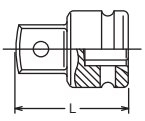
Il est possible d’appliquer aux articles marqués ⚠ des couples de serrage susceptibles d’occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d’une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

15566A

Adaptor
Verbindungsstück
Augmentateur

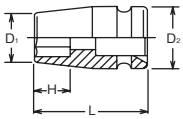
	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
15566A	5/8"	3/4"	48	200	1	*1

*1 Pin/O-Ring=A51/B51 ➡P269



16400M / 16400A

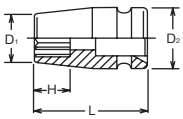
6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



16400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
5/8	28.8	44	11	50	366	5	*1
11/16	30	44	12	50	355	5	*1
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1 1/16	42.5	44	16	50	375	5	*1
1 1/8	45	44	18	53	412	5	*1
1 3/16	46.3	44	18	53	410	5	*1
1 1/4	48.8	44	19	53	428	5	*1
1 5/16	51.3	44	20	55	490	5	*1
1 3/8	52.5	44	20	55	494	5	*1
1 7/16	55	44	20	55	526	2	*1
1 1/2	56.3	44	20	57	558	2	*1
1 9/16	58.8	44	20	57	598	2	*1
1 5/8	60	44	22	57	572	2	*1
1.11/16	62.5	44	23	62	720	2	*1
1 3/4	65	44	23	62	757	2	*1
1.13/16	66.3	44	23	62	755	2	*1
1 7/8	68.8	54	23	62	940	2	*2
1.15/16	70	54	23	62	912	2	*2
2	72.5	54	30	62	969	2	*2
2 1/16	73.8	54	29	62	1011	2	*2
2 1/8	76.3	54	29	62	1035	2	*2
2 3/16	77.5	54	29	62	1056	2	*2
2 1/4	80	54	32	65	1126	2	*2
2 5/16	81.3	54	31	65	1163	2	*2
2 3/8	83.8	54	31	65	1215	2	*2

16405M / 16405A

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



16405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/4	32.5	44	13	50	360	5	*1
13/16	35	44	15	50	374	5	*1
7/8	36.3	44	15	50	373	5	*1
15/16	38.8	44	16	50	370	5	*1
1	40	44	16	50	374	5	*1
1 1/16	42.5	44	16	50	375	5	*1
1 1/8	45	44	18	53	412	5	*1
1 3/16	46.3	44	18	53	410	5	*1
1 1/4	48.8	44	19	53	428	5	*1
1 5/16	51.3	44	20	55	490	5	*1
1 3/8	52.5	44	20	55	494	5	*1
1 7/16	55	44	20	55	526	2	*1
1 1/2	56.3	44	20	57	558	2	*1
1 5/8	60	44	22	57	572	2	*1
1.11/16	62.5	44	23	62	720	2	*1
1 3/4	65	44	23	62	757	2	*1
1 7/8	68.8	54	23	62	940	2	*2
2	72.5	54	30	62	969	2	*2

FLAT DRIVE®

16400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	5	*1
25	40	44	16	50	374	5	*1
26	41.3	44	16	50	378	5	*1
27	42.5	44	16	50	375	5	*1
28	43.8	44	16	50	383	5	*1
29	45	44	18	53	412	5	*1
30	46.3	44	18	53	410	5	*1
31	47.5	44	18	53	426	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
34	51.3	44	20	55	490	5	*1
35	52.5	44	20	55	494	5	*1
36	53.8	44	20	55	498	5	*1
37	55	44	20	55	526	2	*1
38	56.3	44	20	57	558	2	*1
39	57.5	44	20	57	579	2	*1
40	58.8	44	20	57	598	2	*1
41	60	44	22	57	572	2	*1
42	61.3	44	22	57	617	2	*1
43	62.5	44	23	62	720	2	*1
44	63.8	44	23	62	761	2	*1
45	65	44	23	62	757	2	*1
46	66.3	44	23	62	755	2	*1
47	67.5	54	23	62	805	2	*2
48	68.8	54	23	62	940	2	*2
49	70	54	23	62	912	2	*2
50	71.3	54	30	62	930	2	*2
52	73.8	54	29	62	1011	2	*2
54	76.3	54	29	62	1035	2	*2
55	77.5	54	29	62	1056	2	*2
56	78.8	54	29	62	1091	2	*2
57	80	54	32	65	1126	2	*2
58	81.3	54	31	65	1163	2	*2
59	82.5	54	31	65	1185	2	*2
60	83.8	54	31	65	1215	2	*2
65	90	54	30	65	1325	2	*2
70	96.3	54	34	70	1570	1	*2

*1 C-Ring=C61, Pin/O-Ring=A61/B61
*2 C-Ring=C81, Pin/O-Ring=A62/B62
➡P268-269

16405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New 16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
20	33.8	44	14	50	375	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
23	37.5	44	16	50	373	5	*1
24	38.8	44	16	50	370	5	*1
25	40	44	16	50	374	5	*1
26	41.3	44	16	50	378	5	*1
27	42.5	44	16	50	375	5	*1
28	43.8	44	16	50	383	5	*1
29	45	44	18	53	412	5	*1
30	46.3	44	18	53	410	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
34	51.3	44	20	55	490	5	*1
35	52.5	44	20	55	494	5	*1
36	53.8	44	20	55	498	5	*1
38	56.3	44	20	57	558	2	*1
41	60	44	22	57	572	2	*1
42	61.3	44	22	57	617	2	*1
46	66.3	44	23	62	755	2	*1
50	71.3	54	30	62	930	2	*2
52	73.8	54	29	62	1011	2	*2
55	77.5	54	29	62	1056	2	*2
60	83.8	54	31	65	1215	2	*2
65	90	54	30	65	1325	2	*2

*1 C-Ring=C61, Pin/O-Ring=A61/B61
*2 C-Ring=C81, Pin/O-Ring=A62/B62
➡P268-269

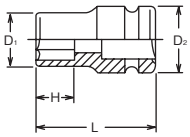
16401M / 16401A

6-point Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 6-pans

thin

16401M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16	26.8	43	11	50	290	5	*1
17	28	43	12	50	300	5	*1
18	29.3	43	13	50	300	5	*1
19	30.5	43	13	50	300	5	*1
20	31.8	43	14	50	302	5	*1
21	33	43	15	50	305	5	*1
22	34.3	43	15	50	310	5	*1
23	35.5	43	16	50	315	5	*1
24	36.8	43	16	50	325	5	*1
25	38	43	16	50	326	5	*1
26	39.3	43	16	50	330	5	*1
27	40.5	43	16	50	340	5	*1
28	41.8	43	16	50	345	5	*1
29	43	43	18	53	355	5	*1
30	44.3	43	18	53	365	5	*1
31	45.5	43	18	53	375	5	*1
32	46.8	43	19	53	385	5	*1
33	48	43	20	55	395	5	*1
34	49.3	43	20	55	420	5	*1
35	50.5	43	20	55	430	5	*1
36	51.8	43	20	55	440	5	*1
37	53	43	20	55	460	2	*1
38	54.3	43	20	57	472	2	*1
39	55.5	43	20	57	525	2	*1
40	56.8	43	20	57	525	2	*1
41	58	43	22	57	555	2	*1
42	59.3	43	22	57	565	2	*1
43	60.5	43	23	62	662	2	*1
44	61.8	43	23	62	670	2	*1
45	63	43	23	62	700	2	*1
46	64.3	43	23	62	710	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61
*2 C-Ring=C81, Pin/O-Ring=A62/B62
➔P268-269



16401A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
11/16	28	43	12	50	300	5	*1
3/4	30.5	43	13	50	300	5	*1
13/16	33	43	15	50	305	5	*1
7/8	34.3	43	15	50	310	5	*1
15/16	36.8	43	16	50	325	5	*1
1	38	43	16	50	326	5	*1
1. 1/16	40.5	43	16	50	340	5	*1
1. 1/8	43	43	18	53	355	5	*1
1. 3/16	44.3	43	18	53	365	5	*1
1. 1/4	46.8	43	19	53	385	5	*1
1. 5/16	49.3	43	20	55	437	5	*1
1. 3/8	50.5	43	20	55	430	5	*1
1. 7/16	53	43	20	55	460	2	*1
1. 1/2	54.3	43	20	57	472	2	*1
1. 9/16	56.8	43	20	57	525	2	*1
1. 5/8	58	43	22	57	555	2	*1
1.13/16	64.3	43	23	62	710	2	*1
1. 7/8	66.8	53	23	62	868	2	*2

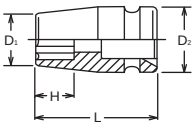
SURFACE DRIVE

16410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

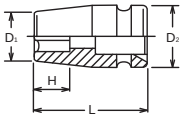
16410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16	28.8	44	11	50	367	5	*1
17	30	44	12	50	355	5	*1
18	31.3	44	13	50	372	5	*1
19	32.5	44	13	50	360	5	*1
21	35	44	15	50	374	5	*1
22	36.3	44	15	50	373	5	*1
24	38.8	44	16	50	370	5	*1
27	42.5	44	16	50	375	5	*1
30	46.3	44	18	53	410	5	*1
32	48.8	44	19	53	428	5	*1
33	50	44	20	55	470	5	*1
36	53.8	44	20	55	498	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61
➔P268-269



16425

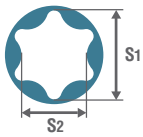
TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



16425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
E18	26.3	44	13	50	355	5	*1
E20	28.8	44	14.4	50	370	5	*1
E22	31.3	44	15.5	50	390	5	*1
E24	32.5	44	17	50	390	5	*1
E26	35	44	18.8	60	460	5	*1
E28	36.3	44	25.2	60	465	5	*1
E30	38.8	44	25.2	60	480	5	*1
E32	41.3	44	25.2	60	480	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

TORX® (E)

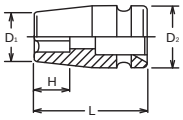


E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

16425 (EPL)

TORXPLUS® Sockets
TORXPLUS® Steckschlüssel
Douilles TORXPLUS®

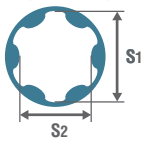
TORXplus®



16425 (EPL)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
24EPL	32.5	44	12.2	50	427	5	*1
26EPL	35	44	14.2	60	467	5	*1
28EPL	36.3	44	15.2	60	467	5	*1
30EPL	38.8	44	16.1	60	472	5	*1
32EPL	41.3	44	16.1	60	488	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

TORXplus® (EP/EPL)



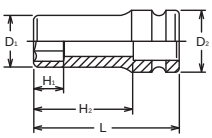
EP/EPL		8EP	10EP	12EP	14EP	16EP	18EP	20EP	22EP	24EP	26EP	28EP	30EP	32EP
S1	(ref. mm)	7.4	9.3	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	5.7	7.1	8.5	9.8	11.2	12.7	14.0	15.4	16.8	18.2	19.6	20.9	22.3

16301X

6-point Semi-Deep Sockets, Thin Walled
6-kant Steckschlüssel mittel lang, dünnwandig
Douilles à paroi mince semi-longues, 6-pans

thin

FLAT DRIVE®



16301X (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
17	28	43	17	49	75	370	2	*1
18	29.3	43	18	49	75	380	2	*1
19	30.5	43	19	49	75	393	2	*1
20	31.8	43	20	49	75	400	2	*1
21	33	43	21	49	75	408	2	*1
22	34.3	43	22	49	75	418	2	*1
23	35.5	43	23	49	75	425	2	*1
24	36.8	43	24	49	75	435	2	*1
25	38	43	25	49	75	449	2	*1
26	39.3	43	26	49	75	455	2	*1
27	40.5	43	27	48	75	464	2	*1
28	41.8	43	28	48	75	479	2	*1
29	43	43	29	48	75	489	2	*1
30	44.3	43	30	48	75	506	2	*1
31	45.5	43	31	47	75	518	2	*1
32	46.8	43	32	47	75	535	2	*1
33	48	43	33	47	75	550	2	*1
35	50.5	43	35	46	75	585	2	*1
36	51.8	43	36	46	75	603	2	*1
37	53	43	37	46	75	645	2	*1
38	54.3	43	38	50	80	691	2	*1
40	56.8	43	38	50	80	725	2	*1
41	58	43	38	49	80	755	2	*1
46	64.3	43	38	48	80	808	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

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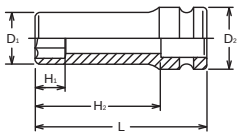
TORX® et TORXplus® sont des marques déposées sous le nom de la société **CAMCAR Innovations.**

16300M / 16300A

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans



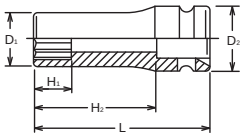
16300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
14	26.3	44	14	74	100	497	2	*1
16	28.8	44	16	74	100	524	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	642	2	*1
19	32.5	44	19	74	100	655	2	*1
20	33.8	44	20	74	100	680	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
23	37.5	44	23	74	100	720	2	*1
24	38.8	44	24	74	100	705	2	*1
25	40	44	25	74	100	715	2	*1
26	41.3	44	26	74	100	710	2	*1
27	42.5	44	27	73	100	710	2	*1
28	43.8	44	28	73	100	800	2	*1
29	45	44	29	73	100	835	2	*1
30	46.3	44	30	73	100	840	2	*1
31	47.5	44	31	72	100	815	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
34	51.3	44	34	72	100	950	2	*1
35	52.5	44	35	71	100	980	2	*1
36	53.8	44	36	71	100	960	2	*1
37	55	44	37	71	100	970	2	*1
38	56.3	44	38	70	100	990	2	*1
40	58.8	44	38	70	100	1060	2	*1
41	60	44	38	69	100	1120	2	*1
42	61.3	44	38	69	100	1153	2	*1
43	62.5	44	38	69	100	1200	2	*1
44	63.8	44	38	68	100	1220	2	*1
46	66.3	44	38	68	100	1305	2	*1
48	68.8	54	38	68	100	1480	2	*2
50	71.3	54	61	–	100	1469	2	*2
55	77.5	54	59	–	100	1620	2	*2
60	83.8	54	56	–	100	1835	2	*2

*1 C-Ring=C61, Pin/O-Ring=A61/B61
*2 C-Ring=C81, Pin/O-Ring=A62/B62
➔P268-269

16300A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
3/4	32.5	44	19	74	100	655	2	*1
13/16	35	44	21	74	100	700	2	*1
7/8	36.3	44	22	74	100	700	2	*1
15/16	38.8	44	24	74	100	705	2	*1
1	40	44	25	74	100	715	2	*1
1. 1/16	42.5	44	27	73	100	765	2	*1
1. 1/8	45	44	29	73	100	835	2	*1
1. 3/16	46.3	44	30	73	100	840	2	*1
1. 1/4	48.8	44	32	72	100	875	2	*1
1. 5/16	51.3	44	34	72	100	950	2	*1
1. 3/8	52.5	44	35	71	100	980	2	*1
1. 7/16	55	44	37	71	100	970	2	*1
1. 1/2	56.3	44	38	70	100	990	2	*1
1. 9/16	58.8	44	38	70	100	1060	2	*1
1. 5/8	60	44	38	69	100	1120	2	*1
1.11/16	62.5	44	38	69	100	1200	2	*1
1. 3/4	65	44	38	68	100	1284	2	*1
1.13/16	66.3	44	38	68	100	1305	2	*1
1. 7/8	68.8	54	38	67	100	1561	2	*2
2	72.5	54	60	–	100	1516	2	*2

16305M

12-point Sockets, deep
12-kant Steckschlüssel, lang
Douilles longues, 12-pans



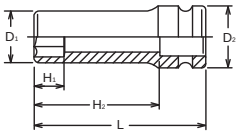
16305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
14	26.3	44	14	74	100	500	2	*1
16	28.8	44	16	74	100	522	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	600	2	*1
19	32.5	44	19	74	100	655	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
23	37.5	44	23	74	100	720	2	*1
24	38.8	44	24	74	100	715	2	*1
26	41.3	44	26	74	100	760	2	*1
27	42.5	44	27	73	100	765	2	*1
28	43.8	44	28	73	100	800	2	*1
29	45	44	29	73	100	835	2	*1
30	46.3	44	30	73	100	840	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
34	51.3	44	34	72	100	950	2	*1
35	52.5	44	35	71	100	980	2	*1
36	53.8	44	36	71	100	960	2	*1
38	56.3	44	38	70	100	990	2	*1
41	60	44	38	69	100	1120	2	*1
46	66.3	44	38	68	100	1305	2	*1
50	71.3	54	61	–	100	1469	2	*2

*1 C-Ring=C61, Pin/O-Ring=A61/B61
*2 C-Ring=C81, Pin/O-Ring=A62/B62
➔P268-269

16301M / 16301A

6-point Deep Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince longues, 6-pans

thin



16301A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
11/16	28	43	17	74	100	470	2	*1
3/4	30.5	43	19	74	100	480	2	*1
13/16	33	43	21	74	100	505	2	*1
7/8	34.3	43	22	74	100	528	2	*1
15/16	36.8	43	24	74	100	560	2	*1
1	38	43	25	74	100	581	2	*1
1. 1/16	40.5	43	27	73	100	610	2	*1
1. 1/8	43	43	29	73	100	650	2	*1
1. 3/16	44.3	43	30	73	100	670	2	*1
1. 1/4	46.8	43	32	72	100	715	2	*1
1. 5/16	49.3	43	34	72	100	790	2	*1
1. 3/8	50.5	43	35	71	100	785	2	*1
1. 7/16	53	43	37	71	100	850	2	*1
1. 1/2	54.3	43	38	70	100	885	2	*1
1. 9/16	56.8	43	38	70	100	925	2	*1
1. 5/8	58	43	38	69	100	970	2	*1
1.13/16	64.3	43	38	68	100	1150	2	*1

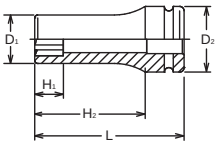
16301M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
16	26.8	43	16	74	100	435	2	*1
17	28	43	17	74	100	470	2	*1
18	29.3	43	18	74	100	475	2	*1
19	30.5	43	19	74	100	480	2	*1
20	31.8	43	20	74	100	491	2	*1
21	33	43	21	74	100	505	2	*1
22	34.3	43	22	74	100	528	2	*1
23	35.5	43	23	74	100	542	2	*1
24	36.8	43	24	74	100	560	2	*1
25	38	43	25	74	100	581	2	*1
26	39.3	43	26	74	100	600	2	*1
27	40.5	43	27	73	100	610	2	*1
28	41.8	43	28	73	100	639	2	*1
29	43	43	29	73	100	650	2	*1
30	44.3	43	30	73	100	670	2	*1
31	45.5	43	31	72	100	690	2	*1
32	46.8	43	32	72	100	715	2	*1
33	48	43	33	72	100	750	2	*1
34	49.3	43	34	72	100	772	2	*1
35	50.5	43	35	71	100	785	2	*1
36	51.8	43	36	71	100	830	2	*1
37	53	43	37	71	100	850	2	*1
38	54.3	43	38	70	100	885	2	*1
39	55.5	43	38	70	100	910	2	*1
40	56.8	43	38	70	100	925	2	*1
41	58	43	38	69	100	970	2	*1
42	59.3	43	38	69	100	990	2	*1
46	64.3	43	38	68	100	1150	2	*1
50	69.2	53	62	–	100	1328	2	*2

*1 C-Ring=C61, Pin/O-Ring=A61/B61
*2 C-Ring=C81, Pin/O-Ring=A62/B62
➔P268-269

16310M

Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive

SURFACE DRIVE

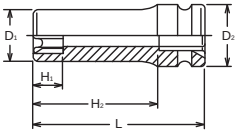


16310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
New 15	27.5	44	15	74	100	500	2	*1
16	28.8	44	16	74	100	524	2	*1
17	30	44	17	74	100	544	2	*1
18	31.3	44	18	74	100	642	2	*1
19	32.5	44	19	74	100	655	2	*1
21	35	44	21	74	100	700	2	*1
22	36.3	44	22	74	100	700	2	*1
24	38.8	44	24	74	100	705	2	*1
27	42.5	44	27	73	100	710	2	*1
30	46.3	44	30	73	100	840	2	*1
32	48.8	44	32	72	100	875	2	*1
33	50	44	33	72	100	920	2	*1
36	53.8	44	34	71	100	960	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61
➔P268-269

16325

TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®



16325 (E)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
E18	26.3	44	13	74	100	520	2	*1
E20	28.8	44	14.4	74	100	560	2	*1
E22	31.3	44	15.5	74	100	600	2	*1
E24	32.5	44	17	74	100	630	2	*1
E26	35.0	44	18.8	74	100	660	2	*1
E28	36.3	44	25.2	74	100	670	2	*1
E30	38.8	44	25.2	75	100	730	2	*1
E32	41.3	44	25.2	75	100	777	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61
➔P268-269

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TORX® est une marque déposée de **CAMCAR Innovations.**

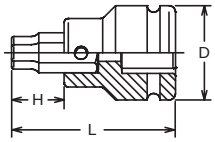
16106-16

Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux

16106-16 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	44	24	76	416	2	*1
12	44	24	76	422	2	*1
13	44	24	76	426	2	*1
14	44	24	76	430	2	*1
16	44	24	76	439	2	*1
17	44	24	76	443	2	*1 ⚠
18	44	24	76	448	2	*1 ⚠
19	44	24	76	450	2	*1 ⚠
22	44	24	76	473	2	*1 ⚠

16106-16 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/2	44	24	76	426	2	*1
9/16	44	24	76	430	2	*1
5/8	44	24	76	439	2	*1
3/4	44	24	76	450	2	*1 ⚠

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➔P268-269



⚠ The items with ⚠ have larger output sizes than 16mm Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 16mm Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

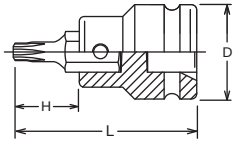
Les articles marqués d’un ⚠ ont des tailles de sortie plus importantes que l’entraînement d’entrée 16mm.
En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

16106-16(T)

TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis,TORX®

16106-16 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T55	44	34	86	427	2	*1
T60	44	34	86	434	2	*1
T70	44	34	86	443	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➔P268-269

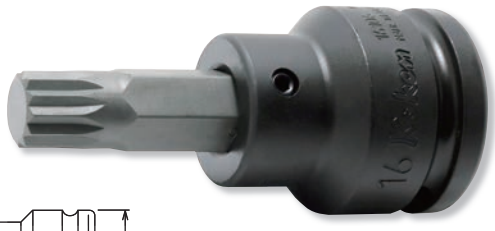


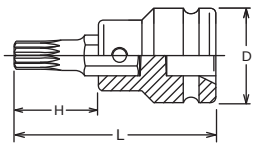
16106-16(XZN)

XZN Bit Sockets
Steckschlüssel für XZN Schrauben
Douilles tournevis pour empreinte XZN

16106-16 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
M14	44	44	96	453	2	*1
M16	44	44	96	463	2	*1
M18	44	44	96	473	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➔P268-269





16106

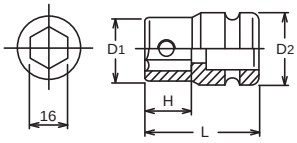
Bit Holder
Klingenhalter
Porte-embout

	D_1 (mm)	D_2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16106	32	44	16	52	370	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➔P268-269

16106-SC

Replacement Screw : M6x10, ⬢3mm



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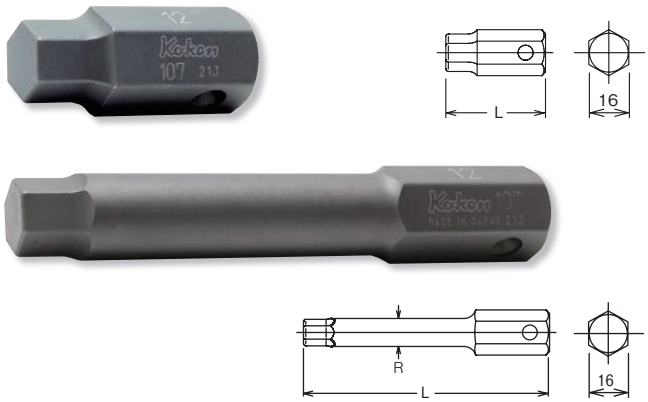
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

107-16

Bits for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans males creux



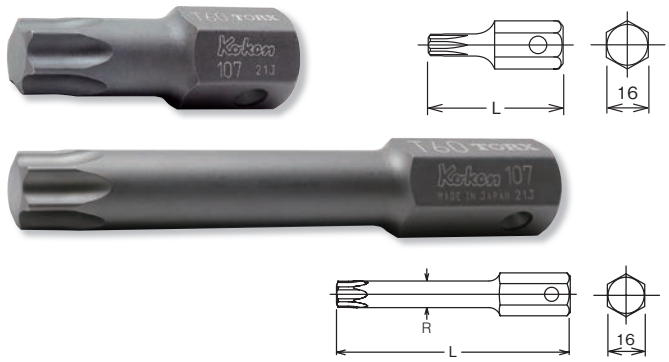
107-16 (mm)	L (mm)	(g)	(pcs.)	
10	40	46	10	
12	40	52	10	
13	40	56	10	
14	40	60	10	
16	40	69	10	
17	40	73	10	⚠
18	40	78	10	⚠
19	40	80	10	⚠
22	40	97	10	⚠

107-16 (inch)	L (mm)	(g)	(pcs.)
3/8	40	45	10
7/16	40	53	10
1/2	40	56	10
9/16	40	60	10
5/8	40	69	10
3/4	40	80	10

107-16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)	
10	100	13	118	10	
12	100	15	141	10	
14	100	–	163	10	
17	100	–	185	10	⚠
19	100	–	228	10	⚠
22	100	–	293	10	⚠

107-16 (T)

TORX® Bits
TORX® Klingen
Embouts, TORX®



107-16 (T)	L (mm)	(g)	(pcs.)
T45	50	45	10
T50	50	50	10
T55	50	57	10
T60	50	64	10
T70	50	73	10

107-16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
T45	100	8	95	10
T50	100	9	100	10
T55	100	11.4	104	10
T60	100	13.4	123	10
T70	100	15.7	148	10

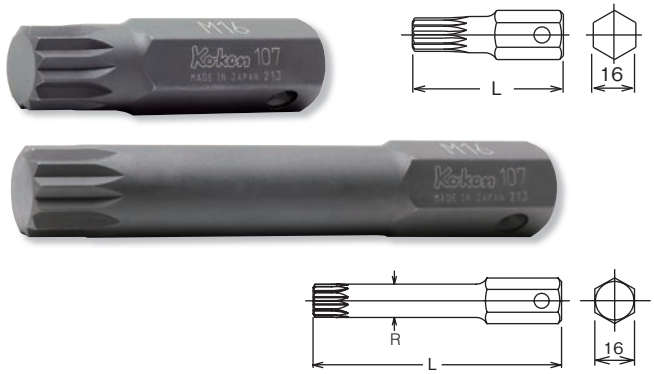
107-16 (IP)

TORXPLUS® Bits
TORXPLUS® Klingen
Embouts TORXPLUS®

107-16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107-16 (XZN)

Bits XZN
Klingen XZN
Embouts de vissage, XZN



107-16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

107-16(L100) (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

⚠ The items with ⚠ have larger output sizes than 16mm Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 16mm Antrieb. Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d’un ⚠ ont des tailles de sortie plus importantes que l’entraînement d’entrée 16mm. En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

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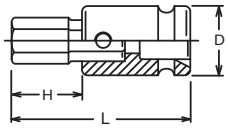
TORX® und TORX PLUS® sind eingetragene Markenzeichen der Firma **CAMCAR Innovations.**
TORX® et TORX PLUS® sont des marques déposées sous le nom de la société **CAMCAR Innovations.**

16107-22

Bit Holder complete with Bit
Klingenhalter, komplett mit Klinge
Porte embouts avec bit

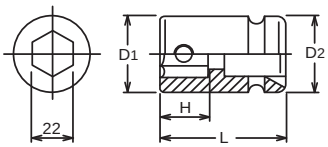


16107-22 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	44	28	88	670	2	*1
22	44	28	88	692	2	*1
24	44	28	88	706	2	*1
27	44	28	88	730	2	*1
30	44	28	88	757	2	*1
32	44	28	93	783	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

16107

Bit Holder
Klingenhalter
Porte embouts



	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
16107	44	44	22	60	530	2	*1

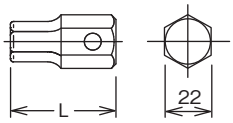
*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

16107-SC

Replacement Screw : M8x14, ⬢4mm

107-22

Bits for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans males creux



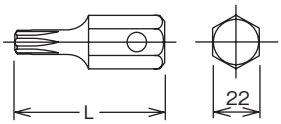
107-22 (mm)	L (mm)	(g)	(pcs.)	
17	50	120	10	
19	50	140	10	
22	50	162	10	
24	50	176	10	⚠
27	50	200	10	⚠
30	50	227	10	⚠
32	55	243	10	⚠

107-22 (inch)	L (mm)	(g)	(pcs.)	
5/8	50	120	10	
3/4	50	140	10	
7/8	50	162	10	
1	50	190	10	⚠
1. 1/4	55	243	10	⚠

107-22(L140) (mm)	L (mm)	(g)	(pcs.)	
17	140	431	5	
19	140	441	5	
22	140	460	5	
24	140	513	5	⚠

107-22 (T)

TORX® Bits
TORX® Klingen
Embouts, TORX®



107-22 (T)	L (mm)	(g)	(pcs.)
T 70	60	129	10
T 80	60	141	10
T 90	60	155	10
T100	60	170	10

107-22(L140) (T)	L (mm)	(g)	(pcs.)
T 70	140	395	5
T 80	140	407	5
T 90	140	420	5
T100	140	434	5

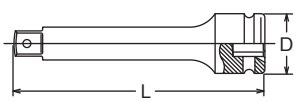
⚠ The items with ⚠ have larger output sizes than 22mm Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 22mm Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d’un ⚠ ont des tailles de sortie plus importantes que l’entraînement d’entrée 22mm. En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

16760

Extension Bars
Verlängerungen
Rallonges



	D (mm)	L (mm)	(g)	(pce.)	
16760-150	44	150	775	1	*1
16760-175	44	175	870	1	*1
16760-200	44	200	955	1	*1
16760-250	44	250	1150	1	*1
16760-330	44	330	1460	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

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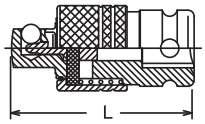
16666AL

Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)

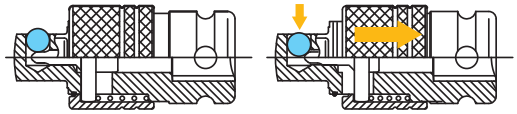
LOCKING ADAPTOR



	L (mm)	(g)	(pcs.)	
16666AL	75	660	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

Lock & Quick Release



You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

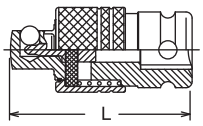
Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d’éviter l’échauffement par frottement et la réduction par usure la réduction par l’usure.

16644AL

Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)

No Warranty
Keine Garantie
Sans Garantie

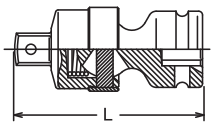


	□ (sq.)	▫ (sq.)	L (mm)	(g)	(pcs.)	
16644AL	3/4"	1/2"	70	240	2	*1

*1 Pin/O-Ring=A51/B51 ➡P269

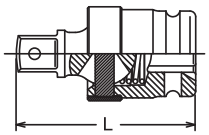
16770

Universal Joint
Gelenk-Einsatz
Joint articulé



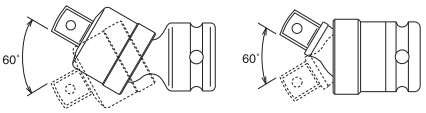
16771

Universal Joint
Gelenk-Einsatz
Joint articulé



	L (mm)	(g)	(pce.)	
16770	106	790	1	*1
16771	95	720	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269



Our ball joints are spring-loaded and can therefore be adjusted to an angle of max. 30°.

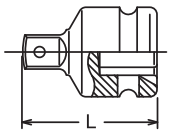
Unsere Kugelgelenke sind federbelastet dadurch sind sie auf einen Winkel von max 30° einstellbar.

Nos joints à rotule sont à ressort et peuvent donc être réglés jusqu’à un angle de 30° maximum.

16644A
16655A

Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie



	TYPE	□ (sq.)	▫ (sq.)	L (mm)	(g)	(pcs.)	
16644A-P	Pin	3/4"	1/2"	54	310	5	*1
New 16644A-B	Ball	3/4"	1/2"	54	310	5	*1
16644A	Hole	3/4"	1/2"	54	310	5	*1

	□ (sq.)	▫ (sq.)	L (mm)	(g)	(pcs.)	
16655A	3/4"	5/8"	55.5	336	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

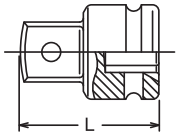
Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d’appliquer aux articles marqués ⚠ des couples de serrage susceptibles d’occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d’une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

16688A

Adaptor
Verbindungsstück
Augmentateur



	□ (sq.)	▫ (sq.)	L (mm)	(g)	(pce.)	
16688A	3/4"	1"	62	435	1	*1
16688A-250	3/4"	1"	250	1400	1	*1
16688A-330	3/4"	1"	330	1880	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

16688A-250 / -330

Adaptors
Verbindungsstücke
Réducteurs

16201M-00 / 16201A-00

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

16201M-00	13 Pieces Set/=6,800g
METAL CASE:W320×H110×T70mm	
Sockets	
16400M 6-pt. Sockets 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

16201A-00	11 Pieces Set/=6,000g
METAL CASE:W290×H120×T70mm	
Sockets	
16400A 6-pt. Sockets 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2	

16201M-01 / 16201A-01

Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

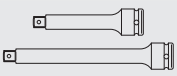
thin

16201M-01	13 Pieces Set/=6,000g
METAL CASE:W320×H110×T70mm	
Sockets	
16401M 6-pt. Sockets, Thin-walled 19, 21, 22, 23, 24, 26, 27, 30, 32, 33, 36, 38, 41	

16201A-01	11 Pieces Set/=5,400g
METAL CASE:W290×H120×T70mm	
Sockets	
16401A 6-pt. Sockets, Thin-walled 3/4, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.1/4, 1.5/16, 1.3/8, 1.7/16, 1.1/2	

16245M

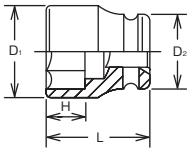
Socket Sets
Steckschlüssel Sätze
Jeux de clés à douilles

16245M	17 Pieces Set/=12,000g	
METAL CASE:W590×H127×T72mm		
Sockets	Accessories	
16400M 6-pt. Sockets 19, 21, 22, 24, 27, 29, 30, 32, 33, 35, 36, 38, 41, 46, 50		**16760-175** **16760-330**

18400M / 18400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

FLAT DRIVE®



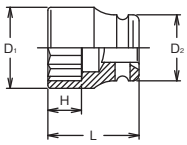
18400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	32.8	54	12	57	579	2	*1
18	34	54	13	57	586	2	*1
19	35.3	54	13	57	590	2	*1
20	36.5	54	14	57	600	2	*1
21	37.8	54	15	57	605	2	*1
22	39	54	15	57	620	2	*1
23	40.3	54	16	57	615	2	*1
24	41.5	54	16	57	627	2	*1
25	42.8	54	16	57	620	2	*1
26	44	54	16	57	640	2	*1
27	45.3	54	16	57	627	2	*1
28	46.5	54	16	57	640	2	*1
29	47.8	54	18	57	657	2	*1
30	49	54	21	62	657	2	*1
31	50.3	54	21	62	687	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
34	54	54	21	62	690	2	*1
35	55.3	54	21	62	710	2	*1
36	56.5	54	21	62	712	2	*1
37	57.8	54	21	62	735	2	*1
38	59	54	25	66	720	2	*1
39	60.3	54	25	66	820	2	*1
40	61.5	54	25	66	850	2	*1
41	62.8	54	25	66	850	2	*1
42	64	54	25	66	905	2	*1
43	65.3	54	27	68	977	2	*1
44	66.5	54	27	68	970	2	*1
45	67.8	54	27	68	963	2	*1
46	69	54	29	70	1010	2	*1
47	70.3	66	36	70	1235	2	*2
48	71.5	66	35	70	1228	2	*2
50	74	66	35	70	1302	2	*2
52	76.5	66	40	75	1423	2	*2
54	79	66	40	75	1492	2	*2
55	80.3	66	39	75	1501	2	*2
56	81.5	66	39	75	1520	2	*2
58	84	66	39	75	1586	2	*2
60	86.5	66	39	75	1651	2	*2
62	89	66	38	75	1685	2	*2
63	90.3	66	38	75	1661	2	*2
65	92.8	66	38	75	1915	2	*2
67	95.3	66	38	75	1872	2	*2
68	96.5	66	37	75	1877	1	*2
70	99	66	37	75	1944	1	*2
75	105.3	86	37	80	2675	1	*3
77	107.8	86	37	80	2890	1	*3
80	111.5	86	41	85	2996	1	*3
85	117.8	86	37	90	3378	1	*3
90	124	86	40	95	3871	1	*3
95	130.3	86	43	100	4500	1	*3
100	136.5	86	47	105	5000	1	*3

18400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
11/16	32.8	54	12	57	579	2	*1
3/4	35.3	54	13	57	590	2	*1
13/16	37.8	54	15	57	605	2	*1
7/8	39	54	15	57	620	2	*1
15/16	41.5	54	16	57	627	2	*1
1	42.8	54	16	57	620	2	*1
1 1/16	45.3	54	16	57	627	2	*1
1 3/32	46.5	54	16	57	640	2	*1
1 1/8	47.8	54	18	57	657	2	*1
1 3/16	49	54	21	62	657	2	*1
1 1/4	51.5	54	21	62	685	2	*1
1 5/16	54	54	21	62	690	2	*1
1 3/8	55.3	54	21	62	710	2	*1
1 7/16	57.8	54	21	62	735	2	*1
1.15/32	57.8	62	21	62	735	2	*1
1 1/2	59	54	25	66	720	2	*1
1 9/16	61.5	54	25	66	850	2	*1
1 5/8	62.8	54	25	66	850	2	*1
1.11/16	65.3	54	27	68	977	2	*1
1 3/4	67.8	54	27	68	963	2	*1
1.13/16	69	54	29	70	1010	2	*1
1 7/8	71.5	66	35	70	1228	2	*2
1.15/16	72.8	66	35	70	1238	2	*2
2	75.3	66	35	70	1297	2	*2
2 1/16	76.5	66	40	75	1423	2	*2
2 1/8	79	66	40	75	1492	2	*2
2 3/16	80.3	66	39	75	1501	2	*2
2 1/4	82.8	66	39	75	1583	2	*2
2 5/16	84	66	39	75	1586	2	*2
2 3/8	86.5	66	39	75	1651	2	*2
2 7/16	89	66	38	75	1685	2	*2
2 1/2	91.5	66	38	75	1780	2	*2
2 9/16	92.8	66	38	75	1915	2	*2
2 5/8	95.3	66	38	75	1872	2	*2
2.11/16	96.5	66	37	75	1877	1	*2
2 3/4	99	66	37	75	1944	1	*2
2.13/16	101.5	86	37	80	2705	1	*3
2 7/8	102.8	86	38	80	2629	1	*3
2.15/16	105.3	86	37	80	2675	1	*3
3	106.5	86	37	80	2705	1	*3
3 1/16	109	86	42	85	2967	1	*3
3 1/8	111.5	86	41	85	2996	1	*3
3 1/4	115.3	86	44	90	3328	1	*3
3 3/8	119	86	36	90	3389	1	*3
3 1/2	124	86	40	95	3871	1	*3
3 3/4	130.3	86	43	100	4377	1	*3
3 7/8	135.3	86	47	105	5000	1	*3
4	137.8	86	46	105	5152	1	*3

*1 C-Ring=C81, Pin/O-Ring=A81/B81
*2 C-Ring=C82, Pin/O-Ring=A82/B82 ➡P268-269
*3 C-Ring=C83, Pin/O-Ring=A83/B83

18405M / 18405A

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans



18405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
24	41.5	54	16	57	627	2	*1
27	45.3	54	16	57	607	2	*1
30	49	54	21	62	657	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	690	2	*1
35	55.3	54	21	62	690	2	*1
36	56.5	54	21	62	692	2	*1
38	59	54	25	66	700	2	*1
40	61.5	54	25	66	830	2	*1
41	62.8	54	25	66	905	2	*1
46	69	54	29	70	990	2	*1
50	74	66	35	70	1258	2	*2
55	80.3	66	39	75	1475	2	*2
56	81.5	66	39	75	1493	2	*2
60	86.5	66	39	75	1621	2	*2
65	92.8	66	38	75	1885	2	*2
70	99	66	37	75	1960	1	*2
75	105.3	86	37	80	2675	1	*3
80	111.5	86	41	85	2996	1	*3

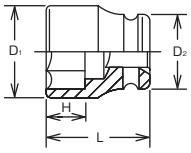
18405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
3/4	35.3	54	13	57	590	2	*1
7/8	39	54	15	57	620	2	*1
1	42.8	54	16	57	620	2	*1
1. 1/8	47.8	54	18	57	660	2	*1
1. 3/16	49	54	21	62	660	2	*1
1. 1/4	51.5	54	21	62	690	2	*1
1. 3/8	55.3	54	21	62	710	2	*1
1. 7/16	57.8	54	21	62	735	2	*1
1. 1/2	59	54	25	66	720	2	*1
1. 3/4	67.8	54	27	68	970	2	*1
1.15/16	72.8	66	35	70	1208	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81
*2 C-Ring=C82, Pin/O-Ring=A82/B82 ➔P268-269
*3 C-Ring=C83, Pin/O-Ring=A83/B83

18401M / 18401A

6-point Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince, 6-pans

thin



18401M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	12	57	481	2	*1
18	31	53	13	57	488	2	*1
19	32.3	53	13	57	492	2	*1
20	33.5	53	14	57	505	2	*1
21	34.8	53	15	57	512	2	*1
22	36	53	15	57	520	2	*1
24	38.5	53	16	57	520	2	*1
26	41	53	16	57	533	2	*1
27	42.3	53	16	57	540	2	*1
29	44.8	53	18	57	560	2	*1
30	46	53	21	62	572	2	*1
32	48.5	53	21	62	600	2	*1
33	49.8	53	21	62	613	2	*1
35	52.3	53	21	62	630	2	*1
36	53.5	53	21	62	635	2	*1
38	56	53	25	66	705	2	*1
41	59.8	53	25	66	740	2	*1
42	61	53	25	66	803	2	*1
46	66	53	29	70	900	2	*1
47	67.3	65	36	70	1153	2	*2
50	71	65	35	70	1235	2	*2

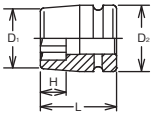
18401A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
11/16	29.8	53	12	57	481	2	*1
3/4	32.3	53	13	57	492	2	*1
13/16	34.8	53	15	57	512	2	*1
7/8	36	53	15	57	520	2	*1
15/16	38.5	53	16	57	520	2	*1
1. 1/16	42.3	53	16	57	540	2	*1
1. 3/16	46	53	21	62	572	2	*1
1. 1/4	48.5	53	21	62	600	2	*1
1. 3/8	52.3	53	21	62	630	2	*1
1. 1/2	56	53	25	66	705	2	*1
1. 5/8	59.8	53	25	66	740	2	*1
1.13/16	66	53	29	70	900	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81
*2 C-Ring=C82, Pin/O-Ring=A82/B82 ➔P268-269

18410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

SURFACE DRIVE



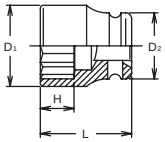
18410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	35.3	54	13	57	570	2	*1
22	39	54	15	57	620	2	*1
24	41.5	54	16	57	627	2	*1
27	45.3	54	16	57	627	2	*1
30	49	54	21	62	657	2	*1
32	51.5	54	21	62	685	2	*1
33	52.8	54	21	62	685	2	*1
36	56.5	54	21	62	712	2	*1
41	62.8	54	25	66	850	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

18405M (D)

Sockets for Cardan Shafts
Steckschlüssel für Gelenkwellen
Douilles pour arbres à cardan

No Warranty
Keine Garantie
Sans Garantie



18405M (D) (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
50(D68)	68	66	35	70	890	2	*2
55(D76)	76	66	39	75	1130	2	*2
65(D87)	87	66	38	75	1344	2	*2

*2 C-Ring=C82, Pin/O-Ring=A82/B82 ➡P268-269

Items in this catalogue marked ⚠ can be loaded to torque values which may cause breakage.In the interest of your own safety always apply load evenly and progressively to avoid breakage and possible injury.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

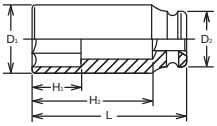
Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

FLAT DRIVE®

18301X

6-point Semi-Deep Sockets, Thin Walled
6-kant Steckschlüssel mittel lang, dünnwandig
Douilles à paroi mince semi-longues, 6-pans

thin



18301X (mm)	D₁ (mm)	D₂ (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	17	48	80	635	2	*1
19	32.3	53	19	48	80	655	2	*1
21	34.8	53	21	48	80	680	2	*1
22	36	53	22	48	80	686	2	*1
24	38.5	53	24	48	80	693	2	*1
27	42.3	53	27	48	80	745	2	*1
30	46	53	30	48	80	761	2	*1
32	48.5	53	32	53	85	770	2	*1
33	49.8	53	33	53	85	781	2	*1
35	52.3	53	35	53	85	800	2	*1
36	53.5	53	36	52	85	808	2	*1
38	56	53	38	52	85	865	2	*1
41	59.8	53	38	51	85	937	2	*1
46	66	53	38	50	85	1032	2	*1
50	71	65	55	–	85	1458	2	*2

*1 C-Ring=C81, Pin/O-Ring=A81/B81
*2 C-Ring=C82, Pin/O-Ring=A82/B82
➔P268-269

18300M / 18300A

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles 6-pans, longues

18300M (mm)	D₁ (mm)	D₂ (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)	(pcs.)	
17	32.8	54	17	77	108	1000	2	*1
19	35.3	54	19	77	108	1010	2	*1
20	36.5	54	20	77	108	1010	2	*1
21	37.8	54	21	77	108	1010	2	*1
22	39	54	22	77	108	1010	2	*1
23	40.3	54	23	77	108	1063	2	*1
24	41.5	54	24	77	108	1060	2	*1
25	42.8	54	25	77	108	1085	2	*1
26	44	54	26	77	108	1133	2	*1
27	45.3	54	27	77	108	1125	2	*1
28	46.5	54	28	77	108	1140	2	*1
29	47.8	54	29	77	108	1120	2	*1
30	49	54	30	77	108	1179	2	*1
31	50.3	54	31	77	108	1125	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
34	54	54	34	77	108	1280	2	*1
35	55.3	54	35	77	108	1300	2	*1
36	56.5	54	36	76	108	1280	2	*1
37	57.8	54	37	76	108	1320	2	*1
38	59	54	38	76	108	1423	2	*1
40	61.5	54	38	75	108	1415	2	*1
41	62.8	54	38	75	108	1450	2	*1
42	64	54	38	75	108	1550	2	*1
44	66.5	54	38	74	108	1636	2	*1
45	67.8	54	38	74	108	1660	2	*1
46	69	54	38	74	108	1680	2	*1
48	71.5	66	67	–	108	1729	2	*2
50	74	66	66	–	108	1879	2	*2
52	76.5	66	65	–	108	2000	2	*2
55	80.3	66	63	–	108	2088	2	*2
60	86.5	66	60	–	108	2290	2	*2
65	92.8	66	58	–	108	2643	2	*2
70	99	66	55	–	108	2792	1	*2
75	105.3	86	52	–	108	3646	1	*3
80	111.5	86	49	–	108	4039	1	*3
85	117.8	86	59	–	108	4000	1	*3
90	124	86	57	–	108	4200	1	*3
95	130.3	86	55	–	108	4400	1	*3

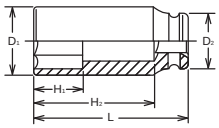
*1 C-Ring=C81, Pin/O-Ring=A81/B81
*2 C-Ring=C82, Pin/O-Ring=A82/B82
➔P268-269
*3 C-Ring=C83, Pin/O-Ring=A83/B83

18300A (inch)	D₁ (mm)	D₂ (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)	(pcs.)	
11/16	32.8	54	17	77	108	978	2	*1
3/4	35.3	54	19	77	108	1010	2	*1
7/8	39	54	22	77	108	1010	2	*1
15/16	41.5	54	24	77	108	1060	2	*1
1	42.8	54	25	77	108	1085	2	*1
1. 1/16	45.3	54	27	77	108	1125	2	*1
1. 1/8	47.8	54	29	77	108	1120	2	*1
1. 3/16	49	54	30	77	108	1179	2	*1
1. 1/4	51.5	54	32	77	108	1200	2	*1
1. 5/16	54	54	34	77	108	1280	2	*1
1. 3/8	55.3	54	35	77	108	1300	2	*1
1. 7/16	57.8	54	37	76	108	1320	2	*1
1. 1/2	59	54	38	76	108	1423	2	*1
1. 9/16	61.5	54	38	75	108	1415	2	*1
1. 5/8	62.8	54	38	75	108	1450	2	*1
1.11/16	65.3	54	38	74	108	1577	2	*1
1. 3/4	67.8	54	38	74	108	1660	2	*1
1.13/16	69	54	38	74	108	1680	2	*1
1. 7/8	71.5	66	67	–	108	1729	2	*2
1.15/16	72.8	66	67	–	108	1799	2	*2
2	75.3	66	66	–	108	1834	2	*2
2. 1/16	76.5	66	65	–	108	2000	2	*2
2. 1/8	79	66	64	–	108	2044	2	*2
2. 3/16	80.3	66	63	–	108	2088	2	*2
2. 1/4	82.8	66	62	–	108	2153	2	*2
2. 5/16	84	66	61	–	108	2225	2	*2
2. 3/8	86.5	66	60	–	108	2290	2	*2
2. 7/16	89	66	59	–	108	2364	2	*2
2. 1/2	91.5	66	58	–	108	2581	2	*2
2. 9/16	92.8	66	58	–	108	2643	2	*2
2. 5/8	95.3	66	56	–	108	2711	1	*2
2. 3/4	99	66	55	–	108	2792	1	*2
2. 7/8	102.8	86	53	–	108	3600	1	*3
2.15/16	105.3	86	52	–	108	3646	1	*3
3	106.5	86	51	–	108	3677	1	*3
3. 1/16	109	86	50	–	108	3939	1	*3
3. 1/8	111.5	86	49	–	108	4039	1	*3
3. 3/16	112.8	86	48	–	108	4170	1	*3

18301M / 18301A

6-point Deep Sockets, Thin Walled
6-kant Steckschlüssel, dünnwandig
Douilles à paroi mince longues, 6-pans

thin



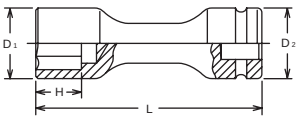
18301A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
11/16	29.8	53	17	77	108	692	2	*1
3/4	32.3	53	19	77	108	725	2	*1
13/16	34.8	53	21	77	108	750	2	*1
7/8	36	53	22	77	108	770	2	*1
15/16	38.5	53	24	77	108	800	2	*1
1	39.8	53	25	77	108	828	2	*1
1. 1/16	42.3	53	27	77	108	860	2	*1
1. 1/8	44.8	53	29	77	108	909	2	*1
1. 3/16	46	53	30	77	108	910	2	*1
1. 1/4	48.5	53	32	77	108	970	2	*1
1. 9/32	49.8	53	33	77	108	980	2	*1
1. 5/16	51	53	34	77	108	1014	2	*1
1. 3/8	52.3	53	35	77	108	986	2	*1
1. 7/16	54.8	53	37	76	108	1000	2	*1
1. 1/2	56	53	38	76	108	1025	2	*1
1. 9/16	58.5	53	38	75	108	1200	2	*1
1. 5/8	59.8	53	38	75	108	1213	2	*1
1.11/16	62.3	53	38	74	108	1285	2	*1
1. 3/4	64.8	53	38	74	108	1360	2	*1
1.13/16	66	53	38	74	108	1400	2	*1
2	72.3	65	65	–	108	1850	2	*2

18301M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
17	29.8	53	17	77	108	692	2	*1
18	31	53	18	77	108	710	2	*1
19	32.3	53	19	77	108	725	2	*1
20	33.5	53	20	77	108	740	2	*1
21	34.8	53	21	77	108	750	2	*1
22	36	53	22	77	108	770	2	*1
23	37.3	53	23	77	108	780	2	*1
24	38.5	53	24	77	108	800	2	*1
26	41	53	26	77	108	830	2	*1
27	42.3	53	27	77	108	860	2	*1
29	44.8	53	29	77	108	880	2	*1
30	46	53	30	77	108	910	2	*1
32	48.5	53	32	77	108	970	2	*1
33	49.8	53	33	77	108	980	2	*1
34	51	53	34	77	108	980	2	*1
35	52.3	53	35	77	108	986	2	*1
36	53.5	53	36	76	108	992	2	*1
38	56	53	38	76	108	1025	2	*1
39	57.3	53	38	76	108	1130	2	*1
41	59.8	53	38	75	108	1213	2	*1
42	61	53	38	75	108	1245	2	*1
43	62.3	53	38	74	108	1400	2	*1
46	66	53	38	74	108	1400	2	*1
50	71	65	38	–	108	1746	2	*2
55	77.3	65	62	–	108	1963	2	*2
60	83.5	65	59	–	108	2220	2	*2
65	89.8	65	56	–	108	2689	2	*2
70	96	65	55	–	108	2630	1	*2

*1 C-Ring=C81, Pin/O-Ring=A81/B81
*2 C-Ring=C82, Pin/O-Ring=A82/B82
➔P268-269

18104M

Special Sockets for Spring Clamps
Steckschlüssel für Federbrieden
Douilles pour brides de ressorts



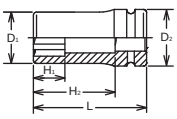
18104M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
24	41.5	54	24	170	1327	1	*1
27	45.3	54	27	170	1375	1	*1
28	46.5	54	28	170	1390	1	*1
30	49	54	30	170	1407	1	*1
32	51.5	54	32	170	1537	1	*1
33	52.8	54	33	170	1590	1	*1
34	54	54	34	170	1670	1	*1
36	56.5	54	36	170	1800	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81
➔P268-269

18310M

Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive

SURFACE DRIVE



18310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
21	37.8	54	21	77	108	1010	2	*1
24	41.5	54	24	77	108	1060	2	*1
27	45.3	54	27	77	108	1125	2	*1
30	49	54	30	77	108	1179	2	*1
32	51.5	54	32	77	108	1200	2	*1
33	52.8	54	33	77	108	1200	2	*1
36	56.5	54	36	76	108	1280	2	*1
41	62.8	54	38	75	108	1450	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81
➔P268-269

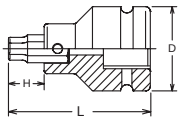
18106-16

Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux

18106-16 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
10	54	24	92	686	2	*1
12	54	24	92	692	2	*1
13	54	24	92	696	2	*1
14	54	24	92	700	2	*1
16	54	24	92	709	2	*1
17	54	24	92	713	2	*1
18	54	24	92	718	2	*1
19	54	24	92	764	2	*1
22	54	24	92	781	2	*1

18106-16 (inch)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
1/2	54	24	92	696	2	*1
9/16	54	24	92	700	2	*1
5/8	54	24	92	709	2	*1
3/4	54	24	92	764	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269



The items with ⚠ have larger output sizes than 16mm Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 16mm Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

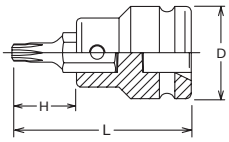
Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 16mm. En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

18106-16(T)

TORX® Bit Sockets
TORX® Bit-Steckschlüssel
Douilles tournevis,TORX®

18106-16 (T)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
T55	54	34	102	697	2	*1
T60	54	34	102	704	2	*1
T70	54	34	102	713	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

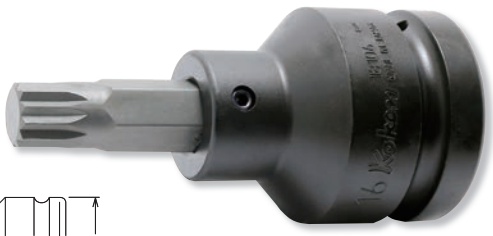


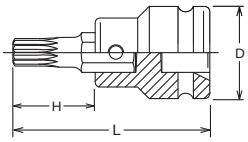
18106-16(XZN)

XZN Bit Sockets
Steckschlüssel für XZN Schrauben
Douilles tournevis pour empreinte XZN

18106-16 (XZN)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
M14	54	44	112	723	2	*1
M16	54	44	112	733	2	*1
M18	54	44	112	743	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269





18106

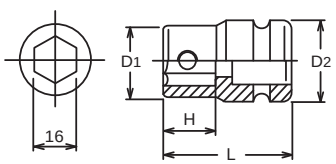
Bit Holder
Klingenhalter
Porte embouts

	D_1 (mm)	D_2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18106	32	54	16	68	640	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

16106-SC

Replacement Screw : M6x10, ⬢3mm



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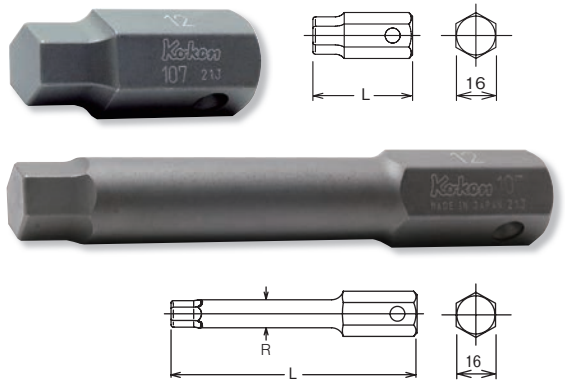
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

107-16

Bits for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans males creux



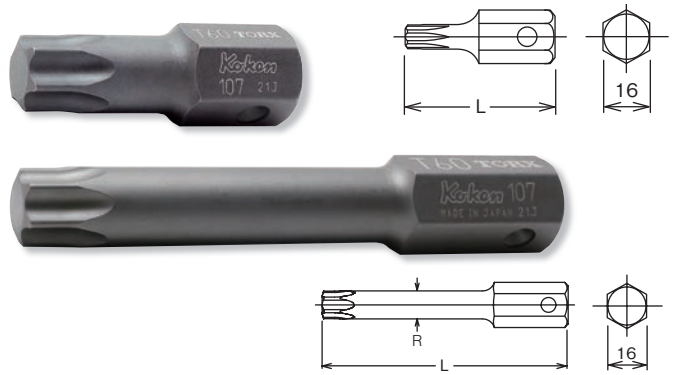
107-16 (mm)	L (mm)	(g)	(pcs.)	
10	40	46	10	
12	40	52	10	
13	40	56	10	
14	40	60	10	
16	40	69	10	
17	40	73	10	⚠
18	40	78	10	⚠
19	40	80	10	⚠
22	40	97	10	⚠

107-16 (inch)	L (mm)	(g)	(pcs.)	
3/8	40	45	10	
7/16	40	53	10	
1/2	40	56	10	
9/16	40	60	10	
5/8	40	69	10	
3/4	40	80	10	⚠

107-16(L100) (mm)	L (mm)	R (mm)	(g)	(pcs.)	
10	100	13	118	10	
12	100	15	141	10	
14	100	–	163	10	
17	100	–	185	10	⚠
19	100	–	228	10	⚠
22	100	–	293	10	⚠

107-16 (T)

TORX® Bits
TORX® Klingen
Embouts, TORX®



107-16 (T)	L (mm)	(g)	(pcs.)
T45	50	45	10
T50	50	50	10
T55	50	57	10
T60	50	64	10
T70	50	73	10

107-16(L100) (T)	L (mm)	R (mm)	(g)	(pcs.)
T45	100	8	95	10
T50	100	9	100	10
T55	100	11.4	104	10
T60	100	13.4	123	10
T70	100	15.7	148	10

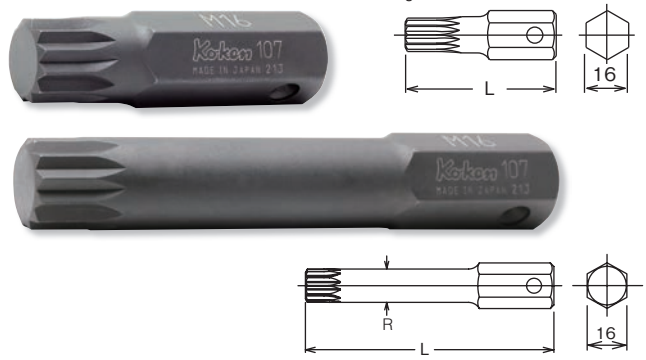
107-16 (IP)

TORXPLUS® Bits
TORXPLUS® Klingen
Embouts TORXPLUS®

107-16 (IP)	L (mm)	(g)	(pcs.)
55IP	50	57	10
60IP	50	64	10
70IP	50	73	10

107-16 (XZN)

Bits XZN
Klingen XZN
Embouts de vissage, XZN



107-16 (XZN)	L (mm)	(g)	(pcs.)
M14	60	83	10
M16	60	93	10
M18	60	103	10

107-16(L100) (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M14	100	13.4	126	10
M16	100	15.8	153	10
M18	100	17.1	173	10

⚠ The items with ⚠ have larger output sizes than 16mm Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 16mm Antrieb. Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 16mm. En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

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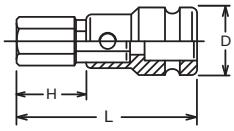
TORX® et TORXplus® sont des marques déposées sous le nom de la société **CAMCAR Innovations.**

18107-22

Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux

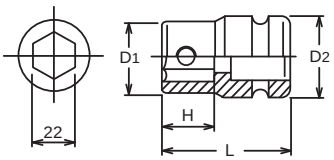


18107-22 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	54	28	98	910	2	*1
22	54	28	98	932	2	*1
24	54	28	98	946	2	*1 ⚠
27	54	28	98	986	2	*1 ⚠
30	54	28	98	1008	2	*1 ⚠
32	54	28	103	1029	2	*1 ⚠

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

18107

Bit Holder
Klingenhalter
Porte embouts



	D_1 (mm)	D_2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18107	44	54	22	70	770	2	*1

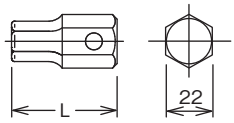
*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

16107-SC

Replacement Screw : M8x14, ⬢4mm

107-22

Bits for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans males creux



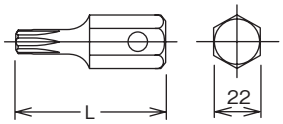
107-22 (mm)	L (mm)	(g)	(pcs.)	
17	50	120	10	
19	50	140	10	
22	50	162	10	
24	50	176	10	⚠
27	50	200	10	⚠
30	50	227	10	⚠
32	55	243	10	⚠

107-22 (inch)	L (mm)	(g)	(pcs.)	
5/8	50	120	10	
3/4	50	140	10	
7/8	50	162	10	
1	50	190	10	⚠
1. 1/4	55	243	10	⚠

107-22(L140) (mm)	L (mm)	(g)	(pcs.)	
17	140	431	5	
19	140	441	5	
22	140	460	5	
24	140	513	5	⚠

107-22 (T)

TORX® Bits
TORX® Klingen
Embouts, TORX®



107-22 (T)	L (mm)	(g)	(pcs.)	
T 70	60	129	10	
T 80	60	141	10	
T 90	60	155	10	
T100	60	170	10	⚠

107-22(L140) (T)	L (mm)	(g)	(pcs.)	
T 70	140	395	5	
T 80	140	407	5	
T 90	140	420	5	
T100	140	434	5	⚠

⚠ The items with ⚠ have larger output sizes than 22mm Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 22mm Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 22mm. En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

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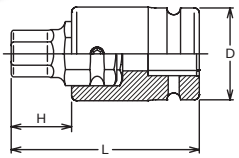
18108-32

Bit Holder complete with Bit, Inhex
Klingenhalter komplett mit Klinge, Innensechskant
Porte embouts avec bit 6-pans creux



18108-32 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)	
19	54	30	105	1230	2	*1
22	54	30	105	1250	2	*1
24	54	30	105	1260	2	*1
27	54	30	105	1290	2	*1
30	54	30	105	1320	2	*1
32	54	30	105	1340	2	*1
36	54	30	105	1390	2	*1 ⚠

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

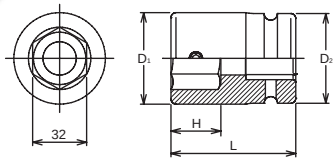
⚠ The items with ⚠ have larger output sizes than 32mm Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 32mm Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d’un ⚠ ont des tailles de sortie plus importantes que l’entraînement d’entrée 32mm.
En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

18108

Bit Holder
Klingenhalter
Porte embouts



	D₁ (mm)	D₂ (mm)	H (mm)	L (mm)	(g)	(pcs.)	
18108	55	54	30	75	930	2	*1

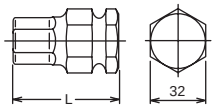
*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

18108-SC

Replacement Screw : M8×12, ⬢ 4mm

107-32

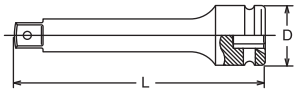
Bit for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans mâle creux



107-32 (mm)	L (mm)	(g)	(pcs.)
19	60	300	10
22	60	320	10
24	60	330	10
27	60	360	10
30	60	390	10
32	60	410	10
36	60	460	10 ⚠

18760

Extension Bars
Verlängerungen
Rallonges



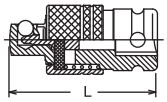
	D (mm)	L (mm)	(g)	(pce.)	
18760-175	54	175	1400	1	*1
18760-200	54	200	1580	1	*1
18760-250	54	250	1885	1	*1
18760-330	54	330	2380	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

LOCKING ADAPTOR

18888AL

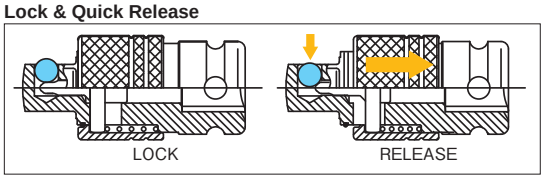
Adaptor (Quick Release)
Verbindungsstück (Quick Release)
Adaptateur (Quick Release)



	L (mm)	(g)	(pcs.)	
18888AL	95	980	2	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➔P268-269

Lock & Quick Release



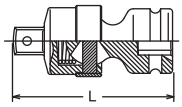
You may not hold the sliding part while moving to avoid heating up by friction and reduction by wear.

Bitte das gleitende Teil während der Bewegung nicht festhalten, um eine Erhitzung durch Reibung und durch Verschleiß zu vermeiden.

Vous ne devez pas tenir la partie coulissante pendant le déplacement afin d’éviter l’échauffement par frottement et la réduction par usure la réduction par l’usure.

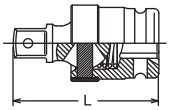
18770

Universal Joint
Gelenk-Einsatz
Joint articulé



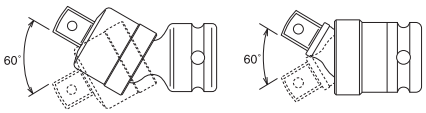
18771

Universal Joint
Gelenk-Einsatz
Joint articulé



	L (mm)	(g)	(pce.)	
18770	127	1350	1	*1
18771	115	1210	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➔P268-269



Our ball joints are spring-loaded and can therefore be adjusted to an angle of max. 30°.

Unsere Kugelgelenke sind federbelastet dadurch sind sie auf einen Winkel von max 30° einstellbar.

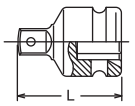
Nos joints à rotule sont à ressort et peuvent donc être réglés jusqu’à un angle de 30° maximum.

18866A

Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie

18866A-200



	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
18866A	1”	3/4”	66.5	580	1	*1
18866A-200	1”	3/4”	200	1100	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➔P268-269

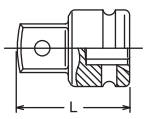
Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d’appliquer aux articles marqués ⚠ des couples de serrage susceptibles d’occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d’une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

18877A

Adaptor
Verbindungsstück
Augmentateur



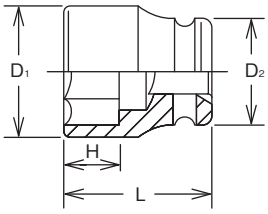
	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
18877A	1”	1.1/2”	80	935	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➔P268-269

1-1/2”

17400M / 17400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



FLAT DRIVE®

17400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
36	62	86	20	77	2126	1	*1
41	68	86	22	80	2346	1	*1
42	70	86	22	80	2330	1	*1
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
52	82	86	38	84	2340	1	*1
54	84	86	38	84	2340	1	*1
55	85	86	44	90	2450	1	*1
57	87	86	43	90	2460	1	*1
58	88	86	44	90	2510	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1
95	135	127	52	112	7660	1	*2
100	140	127	53	115	7700	1	*2
105	146	127	57	120	8000	1	*2
110	153	127	60	124	9200	1	*2
115	160	127	62	128	10700	1	*2
120	166	127	64	132	11200	1	*2
125	173	127	67	136	13000	1	*2
130	180	127	69	140	14200	1	*2
135	186	127	73	145	14940	1	*2
140	190	127	76	150	15600	1	*2
150	200	127	83	160	16500	1	*2

17400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
1. 5/8	68	86	22	80	2346	1	*1
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1.13/16	74	86	26	84	2360	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 5/16	88	86	44	90	2510	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1
2.11/16	101	86	51	100	3300	1	*1
2. 3/4	103	86	52	100	3350	1	*1
2.13/16	105	86	55	105	3670	1	*1
2. 7/8	106	86	55	105	3610	1	*1
2.15/16	108	86	56	105	3700	1	*1
3	108	86	55	105	3680	1	*1
3. 1/8	115	86	60	110	4240	1	*1
3. 1/4	118	86	59	110	4370	1	*1
3. 3/8	123	86	60	110	4570	1	*1
3. 1/2	128	86	60	112	4840	1	*1
3. 5/8	132	86	52	112	5500	1	*1
3. 3/4	135	127	52	112	7660	1	*2
3. 7/8	140	127	53	115	7700	1	*2
4	146	127	57	120	8000	1	*2
4. 1/8	146	127	57	120	8000	1	*2
4. 1/4	153	127	60	124	9200	1	*2
4. 1/2	160	127	62	128	10700	1	*2
4. 5/8	166	127	64	132	11200	1	*2
4. 3/4	168	127	64	132	11200	1	*2
4. 7/8	173	127	67	136	13000	1	*2
5	180	127	69	140	14200	1	*2
5. 1/4	186	127	73	145	14940	1	*2
6	205	127	88	165	16500	1	*2
6. 1/2	205	127	94	175	17500	1	*2

*1 C-Ring=C71, Pin/O-Ring=A71/B71
*2 Pin/O-Ring=A72/B72

➡P268-269

17405M / 17405A

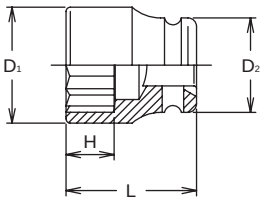
12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans

17405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
46	74	86	26	84	2360	1	*1
50	79	86	27	84	2400	1	*1
55	85	86	44	90	2450	1	*1
60	91	86	43	90	2640	1	*1
65	97	86	48	95	3050	1	*1
70	103	86	52	100	3350	1	*1
75	108	86	56	105	3700	1	*1
80	115	86	60	110	4240	1	*1
85	122	86	60	110	4550	1	*1
90	128	86	60	112	4840	1	*1
95	135	127	52	112	7660	1	*2
100	140	127	53	115	7700	1	*2

17405A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
1.11/16	71	86	22	80	2300	1	*1
1. 3/4	73	86	22	80	2290	1	*1
1. 7/8	77	86	26	84	2440	1	*1
1.15/16	79	86	27	84	2400	1	*1
2	80	86	27	84	2420	1	*1
2. 1/16	82	86	38	84	2340	1	*1
2. 1/8	84	86	38	84	2340	1	*1
2. 3/16	85	86	44	90	2450	1	*1
2. 1/4	87	86	43	90	2460	1	*1
2. 3/8	91	86	43	90	2640	1	*1
2. 7/16	93	86	47	95	2860	1	*1
2. 1/2	96	86	47	95	3000	1	*1
2. 9/16	97	86	48	95	3050	1	*1
2. 5/8	100	86	51	100	3300	1	*1
2.13/16	105	86	55	105	3400	1	*1
2.15/16	108	86	56	105	3700	1	*1

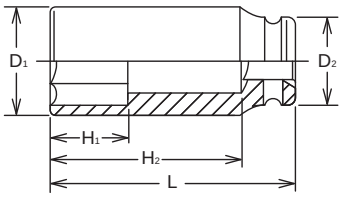
*1 C-Ring=C71, Pin/O-Ring=A71/B71
*2 Pin/O-Ring=A72/B72

➔P268-269



17300M / 17300A

6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans



17300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pce.)	
36	63	86	26	70.5	115	2800	1	*1
41	68	86	27	70.5	115	3080	1	*1
42	70	86	27	70.5	115	3140	1	*1
46	74	86	28	80.5	125	3440	1	*1
50	79	86	30	90.5	135	3840	1	*1
54	84	86	30	90.5	135	4160	1	*1
55	85	86	33	90.5	135	4130	1	*1
60	91	86	35	90.5	135	4370	1	*1
65	97	86	38	99.5	145	5260	1	*1
70	103	86	40	98.5	145	5780	1	*1
75	108	86	42	107.5	155	6580	1	*1
80	115	86	46	115.5	165	7740	1	*1
85	122	86	49	114.5	165	7420	1	*1
90	128	86	52	122.5	175	9630	1	*1
95	135	127	55	121.5	175	10450	1	*2
100	140	127	58	130.5	185	9741	1	*2
105	146	127	62	138.5	195	10850	1	*2
110	153	127	65	137.5	195	11500	1	*2
115	160	127	68	135.5	195	12160	1	*2
120	166	127	72	144.5	205	13680	1	*2
125	173	127	74	142.5	205	14450	1	*2
130	180	127	76	142.5	205	15190	1	*2

*1 C-Ring=C71, Pin/O-Ring=A71/B71
*2 Pin/O-Ring=A72/B72

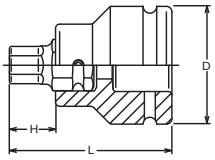
➔P268-269

17300A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pce.)	
1. 5/8	68	86	27	70.5	115	3080	1	*1
1.11/16	71	86	27	70.5	115	3180	1	*1
1. 3/4	73	86	27	70.5	115	3210	1	*1
1.13/16	74	86	28	80.5	125	3440	1	*1
1. 7/8	77	86	28	80.5	125	3550	1	*1
1.15/16	79	86	28	80.5	125	3590	1	*1
2	80	86	30	90.5	135	3916	1	*1
2. 1/16	82	86	30	90.5	135	4030	1	*1
2. 1/8	84	86	30	90.5	135	4160	1	*1
2. 3/16	85	86	33	90.5	135	4200	1	*1
2. 1/4	87	86	33	90.5	135	4160	1	*1
2. 3/8	91	86	35	90.5	135	4370	1	*1
2. 7/16	93	86	35	90.5	135	4490	1	*1
2. 1/2	96	86	35	90.5	135	4630	1	*1
2. 9/16	97	86	38	99.5	145	5260	1	*1
2. 5/8	100	86	38	99.5	145	5320	1	*1
2.11/16	101	86	38	99.5	145	5670	1	*1
2. 3/4	103	86	40	98.5	145	5780	1	*1
2.13/16	105	86	40	98.5	145	6000	1	*1
2. 7/8	106	86	40	98.5	145	6080	1	*1
2.15/16	108	86	42	107.5	155	6580	1	*1
3	108	86	42	107.5	155	6850	1	*1
3. 1/8	115	86	46	115.5	165	7740	1	*1
3. 3/4	135	127	55	121.5	175	12200	1	*2
3. 7/8	140	127	56	120.5	175	11080	1	*2

1-1/2”

17108-32

Bit Holder complete with Bit
Klingenhalter, komplett mit Klinge
Porte embouts avec bit



17108-32 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pce.)	
19	86	30	115	2500	1	*1
22	86	30	115	2520	1	*1
24	86	30	115	2530	1	*1
27	86	30	115	2560	1	*1
30	86	30	115	2590	1	*1
32	86	30	115	2610	1	*1
36	86	30	115	2660	1	*1 ⚠

*1 C-Ring=C71, Pin/O-Ring=A71/B71 ➡P268-269

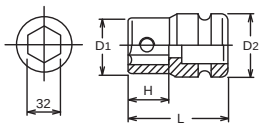
⚠ The items with ⚠ have larger output sizes than 32mm Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 32mm Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d’un ⚠ ont des tailles de sortie plus importantes que l’entraînement d’entrée 32mm.
En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

17108

Bit Holder
Klingenhalter
Porte-embouts



	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
17108	60	86	30	85	2200	1	*1

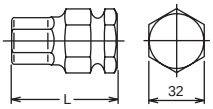
*1 C-Ring=C71, Pin/O-Ring=A71/B71 ➡P268-269

16107-SC

Replacement Screw : M8×14, ⬢ 4mm
Ersatzschraube : M8×14, ⬢ 4mm
Vis de remplacement : M8×14, ⬢ 4mm

107-32

Bit for Inhex Screws
Klingen für Innensechskant-Schrauben
Embouts pour vis 6-pans mâle creux

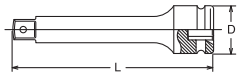


107-32 (mm)	L (mm)	(g)	(pcs.)
19	60	300	10
22	60	320	10
24	60	330	10
27	60	360	10
30	60	390	10
32	60	410	10
36	60	460	10 ⚠

17760 Extension Bars / Verlängerungen / Rallonges

	D (mm)	L (mm)	(g)	(pce.)	
17760-175	86	175	3300	1	*1
17760-250	86	250	4500	1	*1
17760-330	86	330	5200	1	*1

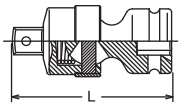
*1 C-Ring=C71, Pin/O-Ring=A71/B71 ➔P268-269



17770 Universal Joint / Gelenk-Einsatz / Joint articulé

	L (mm)	(g)	(pce.)	
17770	200	4700	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 ➔P268-269



17788A ⚠ Adaptor / Verbindungsstück / Réducteur — No Warranty / Keine Garantie / Sans Garantie

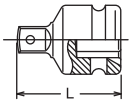
	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
17788A	1.1/2"	1"	98	2600	1	*1

*1 C-Ring=C71, Pin/O-Ring=A71/B71 ➔P268-269

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

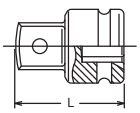
Il est possible d’appliquer aux articles marqués ⚠ des couples de serrage susceptibles d’occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d’une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.



17799A Adaptor / Verbindungsstück / Augmentateur

	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
17799A	1.1/2"	2.1/2"	115	3790	1	*1

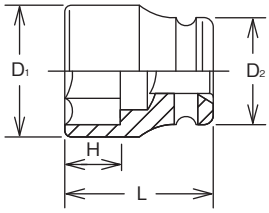
*1 C-Ring=C71, Pin/O-Ring=A71/B71 ➔P268-269



2-1/2”

19400M / 19400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans



FLAT DRIVE®

19400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
50	88	127	39	115	6550	1	*1
55	94	127	42	115	6720	1	*1
60	100	127	45	125	7430	1	*1
65	105	127	48	125	7350	1	*1
70	110	127	51	125	7260	1	*1
75	118	127	54	125	7170	1	*1
80	124	127	57	125	6960	1	*1
85	127	127	61	132	7320	1	*1
90	135	127	64	132	7950	1	*1
95	140	127	71	140	8660	1	*1
100	146	127	71	142	9230	1	*1
105	155	127	74	146	11600	1	*1
110	160	127	76	155	11600	1	*1
115	167	127	78	158	12600	1	*1
120	175	175	79	160	18500	1	*2
125	180	175	82	165	19400	1	*2
130	185	175	85	169	20600	1	*2
135	190	175	89	175	21800	1	*2
140	200	175	93	180	24000	1	*2
145	205	175	95	183	25300	1	*2
150	210	175	97	192	27600	1	*2
160	225	175	102	200	31700	1	*2
165	230	175	105	204	33100	1	*2
170	235	175	106	207	34100	1	*2
175	240	175	109	211	35600	1	*2
180	250	175	110	214	40300	1	*2
185	255	175	113	218	40300	1	*2
190	265	175	113	220	46400	1	*2
200	275	175	116	225	46400	1	*2
210	285	175	123	235	50200	1	*2
215	290	175	126	240	51000	1	*2
225	305	175	133	250	55700	1	*2
235	315	175	140	260	59600	1	*2

19400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
2. 1/8	92	127	41	115	6670	1	*1
2. 3/8	100	127	45	125	7430	1	*1
2. 7/16	102	127	46	125	7440	1	*1
2. 1/2	103	127	47	125	7280	1	*1
2. 9/16	105	127	48	125	7350	1	*1
2. 5/8	107	127	49	125	7260	1	*1
2.11/16	108	127	50	125	7260	1	*1
2. 3/4	110	127	51	125	7260	1	*1
2.13/16	113	127	52	125	7170	1	*1
2. 7/8	115	127	53	125	7170	1	*1
2.15/16	118	127	54	125	7260	1	*1
3	120	127	55	125	7250	1	*1
3. 1/8	124	127	57	125	6960	1	*1
3. 1/4	125	127	59	125	6970	1	*1
3. 3/8	127	127	61	132	7320	1	*1
3. 1/2	135	127	64	132	7950	1	*1
3. 5/8	138	127	64	132	8180	1	*1
3. 3/4	140	127	71	140	8660	1	*1
3. 7/8	143	127	70	140	8730	1	*1
4	146	127	71	142	9230	1	*1
4. 1/8	155	127	70	142	11600	1	*1
4. 1/4	160	127	76	155	11600	1	*1
4. 3/8	163	127	76	155	12600	1	*1
4. 1/2	167	127	78	158	12600	1	*1
4. 5/8	175	175	79	160	18500	1	*2
4. 7/8	180	175	82	165	19400	1	*2
5	183	175	81	165	20100	1	*2
5. 1/4	190	175	89	175	21800	1	*2
5. 3/8	198	175	94	180	24200	1	*2
5. 1/2	200	175	93	180	24000	1	*2
5. 5/8	203	175	94	182	25300	1	*2
5. 3/4	207	175	103	192	26600	1	*2
6	217	175	100	196	31700	1	*2
6. 1/8	218	175	99	196	31700	1	*2
6. 5/8	233	175	105	205	34100	1	*2
7	248	175	110	213	40300	1	*2

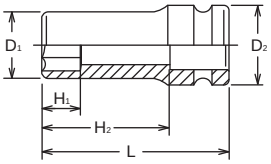
*1 Pin/O-Ring=A91/B91
*2 Pin/O-Ring=A92/B92
➔P269

19300M

6-point Deep Sockets
6-kant-Steckschlüssel,lang
Douilles longues 6-pans

19300M (mm)	D_1 (mm)	D_2 (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pce.)	
75	118	127	42	129	190	11600	1	*1
80	124	127	46	129	190	11800	1	*1
85	127	127	49	134	195	12000	1	*1
90	135	127	52	144	205	13800	1	*1
95	140	127	55	149	210	14100	1	*1
100	146	127	58	154	215	15700	1	*1
105	155	127	62	146.5	220	18000	1	*1
110	160	127	65	150.5	225	18900	1	*1
115	167	127	68	153.5	230	20700	1	*1
120	175	175	72	157.5	235	28000	1	*2
125	180	175	74	158.5	238	29100	1	*2
130	185	175	76	163.5	243	31000	1	*2
135	190	175	80	165.5	248	32100	1	*2
140	200	175	82	164.5	248	34700	1	*2
145	205	175	84	163.5	248	35900	1	*2
150	210	175	88	168.5	255	37200	1	*2
155	215	175	92	167.5	255	38200	1	*2
160	225	175	95	170.5	260	42000	1	*2
165	230	175	98	169.5	260	42700	1	*2
170	235	175	100	172.5	265	44400	1	*2
175	240	175	102	176.5	270	46100	1	*2

*1 Pin/O-Ring=A91/B91
*2 Pin/O-Ring=A92/B92 ➡P269

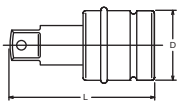


19760

Extension Bars
Verlängerungen
Rallonges

	D (mm)	L (mm)	(g)	(pce.)	
19760-250	127	250	17800	1	*1
19760-500	127	500	27800	1	*1

*1 Pin/O-Ring=A91/B91 ➡P269

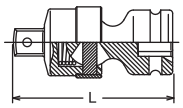


19770

Universal Joint
Gelenk-Einsatz
Joint articulé

	L (mm)	(g)	(pce.)	
19770	303	21360	1	*1

*1 Pin/O-Ring=A91/B91 ➡P269



19977A

Adaptor
Verbindungsstück
Réducteur

No Warranty
Keine Garantie
Sans Garantie ⚠

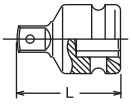
	凹 (sq.)	凸 (sq.)	L (mm)	(g)	(pce.)	
19977A	2.1/2"	1.1/2"	145	7210	1	*1

*1 Pin/O-Ring=A91/B91 ➡P269

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

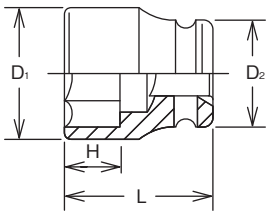


3-1/2”

10400M / 10400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

FLAT DRIVE®



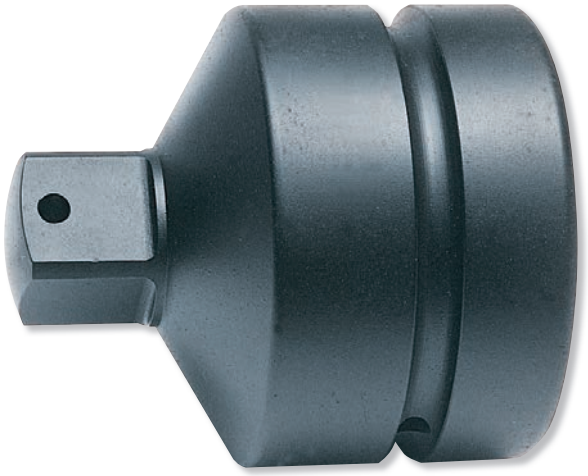
10400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
105	165	175	86	176	19370	1	*1
110	170	175	88	179	20160	1	*1
115	175	175	90	183	21160	1	*1
120	180	175	91	185	21930	1	*1
125	188	175	94	190	23940	1	*1
130	193	175	97	194	25050	1	*1
135	200	175	101	199	26930	1	*1
140	205	175	105	205	28560	1	*1
145	210	200	106	207	29600	1	*2
150	215	200	109	212	31240	1	*2
160	228	200	114	220	35500	1	*2
165	235	200	117	224	37940	1	*2
170	240	200	118	227	39660	1	*2
175	245	200	121	231	41400	1	*2
180	255	200	122	234	45740	1	*2
185	265	200	125	238	50350	1	*2
190	275	200	125	239	54650	1	*2
200	285	200	128	245	59190	1	*2
210	295	200	135	255	64970	1	*2
215	300	200	138	260	68150	1	*2

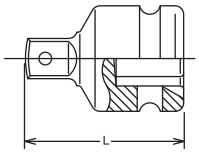
10400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
4.1/8	165	175	86	176	19370	1	*1
4.1/4	168	175	87	178	19770	1	*1
4.3/8	172	175	88	180	20660	1	*1
4.1/2	175	175	89	182	21160	1	*1
4.5/8	178	175	90	183	21550	1	*1
4.3/4	180	175	91	185	21930	1	*1
4.7/8	188	175	94	190	23940	1	*1
5	188	175	95	191	24500	1	*1
5.1/8	193	175	97	194	25050	1	*1
5.1/4	197	175	100	198	25990	1	*1
5.3/8	201	175	102	202	27750	1	*1
5.1/2	205	175	105	205	28560	1	*1
5.5/8	208	200	106	208	30110	1	*2
5.3/4	212	200	108	210	30610	1	*2
5.7/8	215	200	109	212	31240	1	*2
6	219	200	110	214	32460	1	*2
6.1/8	223	200	112	216	33670	1	*2
6.1/4	227	200	114	218	34590	1	*2
6.3/8	231	200	115	221	36720	1	*2
6.1/2	235	200	117	224	37940	1	*2
6.5/8	238	200	118	226	38800	1	*2
6.3/4	241	200	119	228	39870	1	*2
6.7/8	245	200	120	230	40640	1	*2
7	251	200	121	232	43570	1	*2
7.1/8	257	200	122	234	46450	1	*2
7.1/4	263	200	123	236	48400	1	*2
7.3/8	269	200	124	238	52500	1	*2
7.1/2	275	200	125	240	55350	1	*2
7.5/8	278	200	127	242	56050	1	*2
7.3/4	282	200	129	245	57620	1	*2
7.7/8	285	200	130	248	60870	1	*2
8	290	200	132	250	62550	1	*2
8.1/8	293	200	133	251	63760	1	*2
8.1/4	295	200	135	255	64970	1	*2
8.3/8	298	200	136	258	65580	1	*2
8.1/2	300	200	138	260	68150	1	*2
8.5/8	305	200	139	262	70760	1	*2
8.3/4	310	200	140	264	73830	1	*2
8.7/8	313	200	142	267	75780	1	*2

*1 Pin/O-Ring=A01/B01
*2 Pin/O-Ring=A02/B02
➔P269

10099A

Adaptor
Verbindungsstück
Réducteur





	(sq.)	(sq.)	L (mm)	(g)	(pce.)	
10099A	3.1/2"	2.1/2"	182	16870	1	*1

*1 Pin/O-Ring=A01/B01
➔P269

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

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Il est possible d’appliquer aux articles marqués ⚠ des couples de serrage susceptibles d’occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d’une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

SLEEVE-DRIVE SOCKETS
SLEEVE-DRIVE STECKSCHLÜSSEL
DOUILLES, SLEEVE DRIVE

3/8”

1/2”

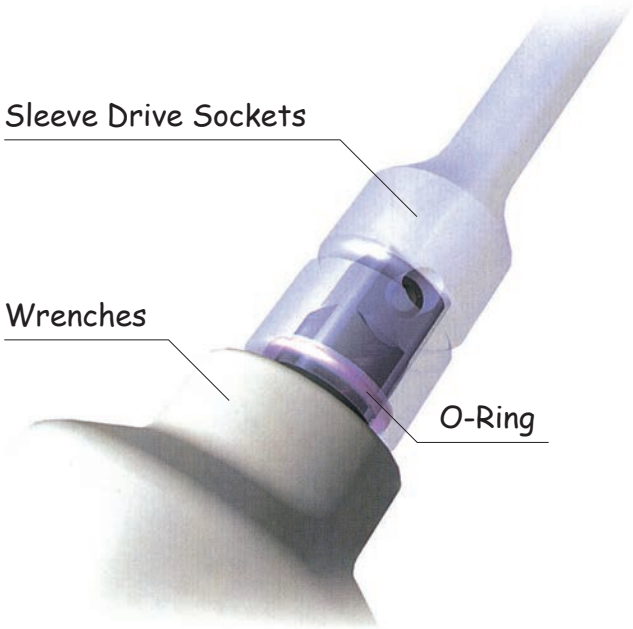
3/4”

SLEEVE DRIVE SOCKET

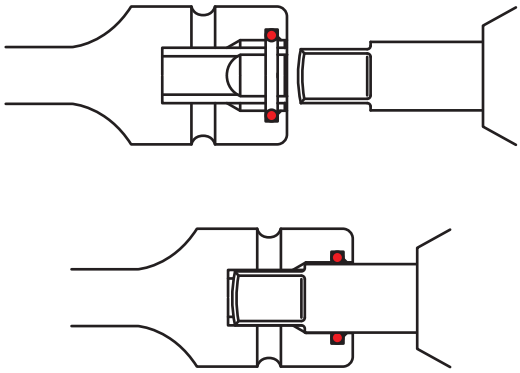
The deepened drive end of the **Sleeve-Drive** tools prevents the sometimes "wobbly" connection between pulse tool - extension - socket. An O-ring inside **Sleeve-Drive** optimizes the perfect fit of extension bars and sockets on the anvil to the effect, that the exactness of the required torque given by the pulse tool is generally improved. Further, the **Sleeve-Drive** avoids the direct transmission of vibrations on the pulse tool and finally on the operator.

Der **Sleeve-Drive** Vierkant-Antrieb vermeidet durch die vertiefte Passung den "Wackelkontakt" zwischen Maschine - Verlängerung - Steckschlüssel. Ein im **Antriebsende der Sleeve-Drive-Steckschlüssel** eingesetzter Ring optimiert den festen Sitz der Verlängerungen und Steckschlüssel auf der Schrauberspindel und sorgt somit für die unmittelbare Weitergabe des vorgegebenen Drehmomentes ohne wesentliche Drehkraftverluste. Nicht zuletzt vermeidet der **Sleeve-Drive** Antrieb die Übertragung von Schwingungen auf Mensch und Maschine.

Ces nouveaux outils **Sleeve-Drive** se caractérisent par un entraînement carré allongé et un joint torique incorporé. Le guidage rigide ainsi obtenu maintient les outils **Sleeve-Drive** dans l'axe de la broche de la machine et garantit une connection optimale machine-rallonges-douilles. Le jeu latéral et les vibrations engendrés par les outils traditionnels sont de ce fait supprimés. Il en résulte une transmission plus précise du coupe de serrage et un plus grand confort de travail pour l'opérateur.



SLEEVE DRIVE SOCKET **PULSE TOOL**

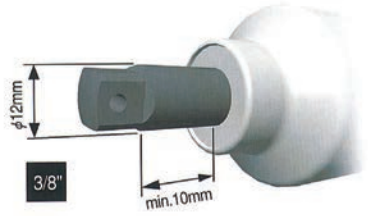


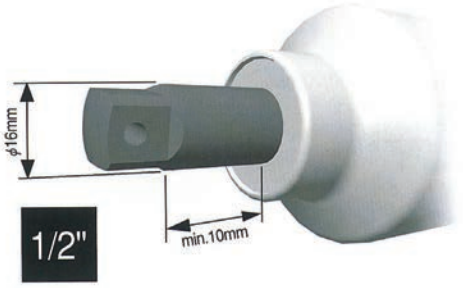
The ***"Sleeve Drive"*** Sockets and accessories are designed for use on Pulse Tools with anvils of certain lengths and diameters as shown hereunder.

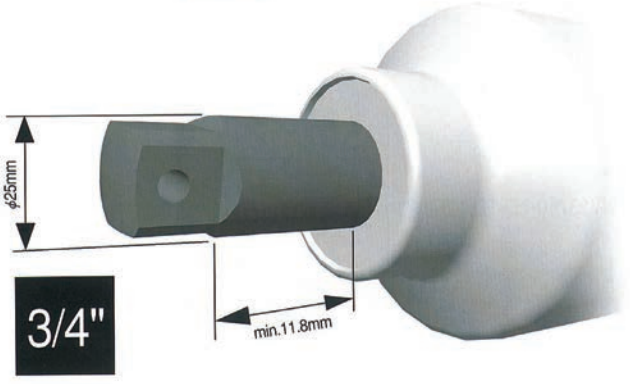
Die serienmässigen ***"Sleeve Drive"*** Steckschlüssel können nur auf Impuls Schraubern mit Antriebswellen der nachstehenden Längen und Durchmesser gesteckt werden.

Les douilles ***"Sleeve Drive"*** ne peuvent être placeés que sur des axes des boulonneuses à impulsions d'une longueur et d'un diamètre selon la spécification ci-dessous.

	Anvil Diameter (mm)	Minimum Anvil Length (mm)
3/8"sq.	12	10
1/2"sq.	16	10
3/4"sq.	25	11.8

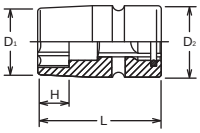






NV13400

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

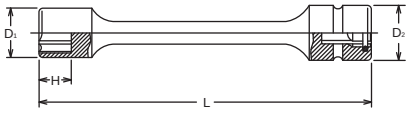


NV13400 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
8	13.3	19	6	43	53	10	*1
10	15.8	19	7	43	53	10	*1
11	17	19	8	43	54	10	*1
12	18.3	19	9	43	55	10	*1
13	19.5	22	10	43	80	10	*2
14	20.8	22	10	43	80	10	*2
15	22	22	11	43	81	10	*2
16	23.3	22	11	43	83	10	*2
17	24.5	22	11	43	85	10	*2
18	25.8	22	11	43	89	10	*2
19	27	22	11	43	98	10	*2
21	29.5	22	11	43	105	10	*2
22	30.8	22	11	43	112	10	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C32, Pin/O-Ring=A32/B32
➡P268-269

NV13145-100 / -150 / -200

Extended Sockets
Schaftsteckschlüssel
Douilles rallongées



NV13145-100 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	100	108	5	*1
8	13	19	8	100	110	5	*1
10	15.5	19	10	100	112	5	*1
12	18	19	12	100	120	5	*1
13	19	19	13	100	127	5	*1
14	21	19	14	100	131	5	*1
15	22	19	15	100	133	5	*1
16	24	19	15	100	144	5	*1
17	25	19	15	100	154	5	*1

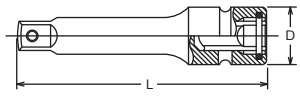
NV13145-150 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	150	160	5	*1
8	13	19	8	150	160	5	*1
10	15.5	19	10	150	165	5	*1
12	18	19	12	150	168	5	*1
13	19	19	13	150	170	5	*1
14	21	19	14	150	175	5	*1
15	22	19	15	150	177	5	*1
16	24	19	15	150	190	5	*1
17	25	19	15	150	203	5	*1

NV13145-200 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
6	13	19	6	200	210	5	*1
8	13	19	8	200	210	5	*1
10	15.5	19	10	200	212	5	*1
12	18	19	12	200	214	5	*1
13	19	19	13	200	218	5	*1
14	21	19	14	200	220	5	*1
15	22	19	15	200	226	5	*1
16	24	19	15	200	235	5	*1
17	25	19	15	200	250	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31
➡P268-269

NV13760-P

Extension Bars
Verlängerungen
Rallonges



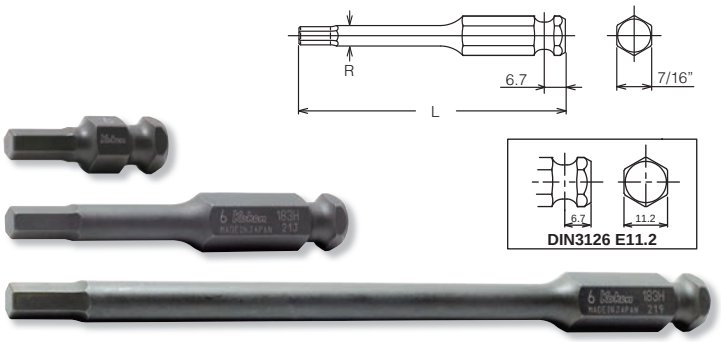
	D (mm)	L (mm)	(g)	(pcs.)	
NV13760-75P	19	75	95	10	*1
NV13760-125P	19	125	125	5	*1
NV13760-150P	19	150	150	5	*1
NV13760-250P	19	250	255	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31
➡P268-269

3/8", 1/2"

183H-35 / -75 / -150

Hex Bits
Sechskant Bits
Embouts, 6 pans creux



183H-35 (mm)	L (mm)	(g)	(pcs.)	
3	35	15	10	
4	35	15	10	
5	35	15	10	
6	35	18	10	
7	35	19	10	
8	35	20	10	
9	35	23	10	
10	35	26	10	
11	35	28	10	
12	35	30	10	⚠
14	35	35	10	⚠
16	35	47	10	⚠
17	35	50	10	⚠
18	35	53	10	⚠
19	35	56	10	⚠

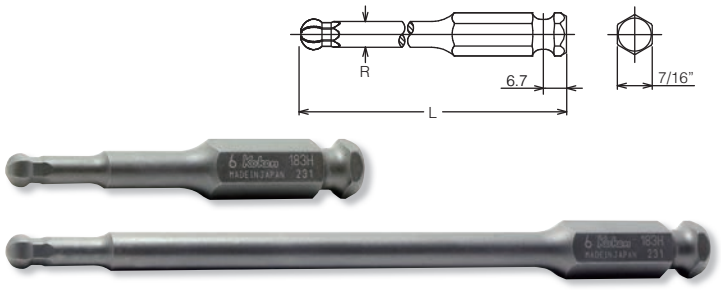
183H-35 (inch)	L (mm)	(g)	(pcs.)	
3/16	35	15	10	
7/32	35	16	10	
1/4	35	18	10	
5/16	35	20	10	
3/8	35	26	10	
7/16	35	28	10	
1/2	35	38	10	⚠

183H-75 (mm)	L (mm)	R (mm)	(g)	(pcs.)	
3	75	6	34	10	
4	75	6	35	10	
5	75	6.5	36	10	
6	75	7.5	39	10	
7	75	8.5	44	10	
8	75	9.5	47	10	
10	75	–	57	10	
11	75	–	60	10	
12	75	–	65	10	⚠
14	75	–	79	10	⚠

183H-150 (mm)	L (mm)	R (mm)	(g)	(pcs.)	
4	150	6	51	10	
5	150	6.5	55	10	
6	150	7.5	65	10	
8	150	9.5	87	10	
10	150	–	118	10	
12	150	–	136	10	⚠

183H-75B / -150B

Ball-point Hex Bits
Sechskant Bits mit Kugelkopf
Embouts hexagonaux à tête sphérique

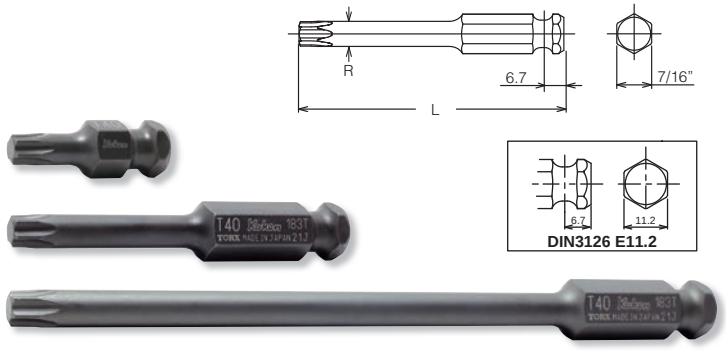


	183H-75B (mm)	L (mm)	R (mm)	(g)	(pcs.)
New	6B	75	5.7	39	10
New	8B	75	7.7	44	10
New	10B	75	9.7	49	10
New	12B	75	11.7	72	10

	183H-150B (mm)	L (mm)	R (mm)	(g)	(pcs.)
New	6B	150	5.7	65	10
New	8B	150	7.7	71	10
New	10B	150	9.7	92	10
New	12B	150	11.7	135	10

183T-35 / -75 / -150 (T)

TORX® Bits
TORX® Bits
Embouts, TORX®



183T-35 (T)	L (mm)	(g)	(pcs.)	
T25	35	18	10	
T30	35	18	10	
T40	35	20	10	
T45	35	22	10	
T50	35	26	10	
T55	35	30	10	
T60	35	38	10	⚠

	183T-75 (T)	L (mm)	R (mm)	(g)	(pcs.)
New	T25	75	6	33	10
New	T27	75	6	33	10
	T30	75	6	35	10
	T40	75	6.9	37	10
	T45	75	8	41	10
	T50	75	9	45	10
	T55	75	11.4	55	10
	T60	75	13.5	67	10	⚠

	183T-150 (T)	L (mm)	R (mm)	(g)	(pcs.)
	T30	150	6	50	10
	T40	150	6.9	58	10
	T45	150	8	70	10
	T50	150	9	82	10
	T55	150	11.4	113	10
New	T60	150	13.5	148	10	⚠

⚠ The items with ⚠ have larger output sizes than 7/16" Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 7/16" Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 7/16".
En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

TORX® is a registered trademark of **CAMCAR Innovations.**
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

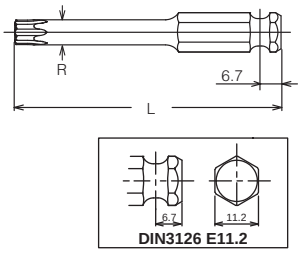
3/8",1/2"

183T-35 / -75 (IP)

TORXPLUS® Bits
TORXPLUS® Bits
Embouts TORXPLUS®

183T-35 (IP)	L (mm)	(g)	(pcs.)
30IP	35	18	10
40IP	35	20	10
45IP	35	22	10
50IP	35	26	10
55IP	35	30	10
60IP	35	38	10

183T-75 (IP)	L (mm)	R (mm)	(g)	(pcs.)
30IP	75	6	35	10
40IP	75	6.8	37	10
45IP	75	8	41	10
50IP	75	9	45	10
55IP	75	11.4	56	10
60IP	75	13.5	67	10



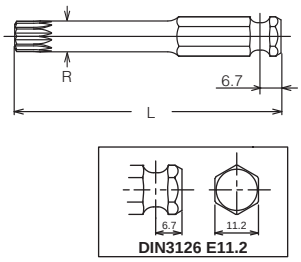
183X-35 / -75 / -150 (XZN)

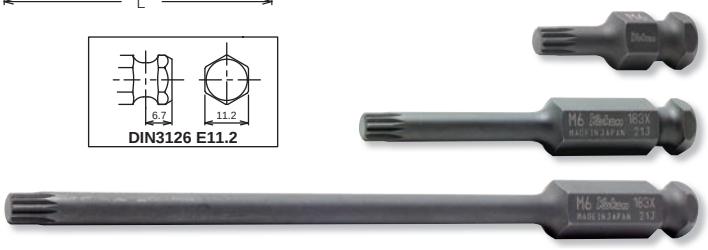
XZN Bits
XZN Bits
Embouts, XZN

183X-35 (XZN)	L (mm)	(g)	(pcs.)
M 4	35	18	10
M 5	35	18	10
M 6	35	20	10
M 8	35	22	10
M10	35	26	10
M12	35	30	10
M14	35	38	10

183X-75 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 4	75	6	34	10
M 5	75	6	34	10
M 6	75	6.2	36	10
M 8	75	7.4	39	10
M10	75	9.8	54	10
M12	75	11.7	57	10
M14	75	13.5	67	10

183X-150 (XZN)	L (mm)	R (mm)	(g)	(pcs.)
M 5	150	6	50	10
M 6	150	6.2	53	10
M 8	150	7.4	64	10
M10	150	9.8	93	10
M12	150	11.7	121	10
New **M14**	150	13.5	151	10





The items with ⚠ have larger output sizes than 7/16" Input drive.
Due to this design the maximum output torque rating is less than standard.

Die mit ⚠ gekennzeichneten Artikel haben größere Abtriebsgrößen als der 7/16" Antrieb.
Aufgrund dieser Konstruktion ist das maximale Abtriebsdrehmoment geringer als der Standardwert.

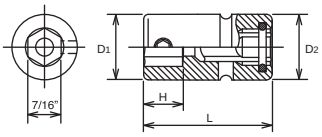
Les articles marqués d'un ⚠ ont des tailles de sortie plus importantes que l'entraînement d'entrée 7/16".
En raison de cette conception, le couple de sortie maximum est inférieur au couple standard.

NV13134

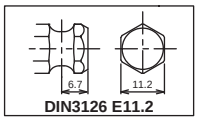
Bit Holder
Klingenhalter
Porte-embouts

	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
NV13134	24	22	15	45	100	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269



For DIN3126 E11.2 Bits
Für DIN3126 E11.2 Bits
Pour DIN3126 E11.2 Embouts



F11.2

16134-SC

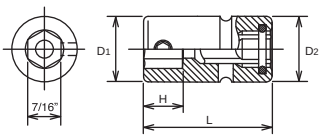
Replacement Screw : M8×6, ⬢ 4mm

NV14134

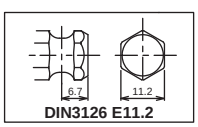
Bit Holder
Klingenhalter
Porte-embouts

	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
NV14134	24	25	15	55	130	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➡P268-269



For DIN3126 E11.2 Bits
Für DIN3126 E11.2 Bits
Pour DIN3126 E11.2 Embouts



F11.2

16134-SC

Replacement Screw : M8×6, ⬢ 4mm

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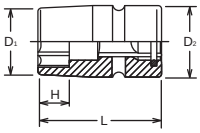
TORXplus est une marque déposée de **CAMCAR Innovations.**

NV14400

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

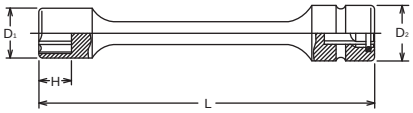


NV14400 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
12	19.5	25	9	54	120	10	*1
13	20.7	25	10	54	120	10	*1
14	22	25	10	54	120	10	*1
15	23.2	30	11	54	188	10	*2
16	24.5	30	11	54	189	10	*2
17	25.7	30	12	54	190	10	*2
18	27	30	12	54	190	10	*2
19	28.2	30	12	54	190	10	*2
21	30.7	30	12	54	191	10	*2
22	32	30	12	54	192	10	*2
23	33.2	30	12	54	196	10	*2
24	34.5	30	12	54	200	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42
➡P268-269

NV14145-100 / -150 / -200

Extended Sockets
Schaftsteckschlüssel
Douilles rallongées



NV14145-100 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.5	25	10	100	161	1	*1
12	18	25	12	100	178	1	*1
13	19	25	13	100	175	1	*1
14	21	25	14	100	181	1	*1
15	22	25	15	100	185	1	*1
16	24	25	15	100	193	1	*1
17	25	25	15	100	201	1	*1
18	26	25	15	100	211	1	*1
19	28	25	15	100	221	1	*1

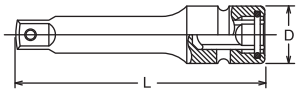
NV14145-150 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.5	25	10	150	200	1	*1
12	18	25	12	150	215	1	*1
13	19	25	13	150	220	1	*1
14	21	25	14	150	225	1	*1
15	22	25	15	150	230	1	*1
16	24	25	15	150	240	1	*1
17	25	25	15	150	250	1	*1
18	26	25	15	150	262	1	*1
19	28	25	15	150	275	1	*1

NV14145-200 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	15.5	25	10	200	236	1	*1
12	18	25	12	200	250	1	*1
13	19	25	13	200	260	1	*1
14	21	25	14	200	270	1	*1
15	22	25	15	200	275	1	*1
16	24	25	15	200	287	1	*1
17	25	25	15	200	300	1	*1
18	26	25	15	200	310	1	*1
19	28	25	15	200	320	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41
➡P268-269

NV14760-P

Extension Bars
Verlängerungen
Rallonges



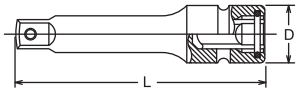
	TYPE	D (mm)	L (mm)	(g)	(pcs.)	
NV14760-75P	Pin	25	75	149	10	*1
NV14760-125P	Pin	25	125	226	5	*1
NV14760-175P	Pin	25	175	308	5	*1
NV14760-250P	Pin	25	250	422	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41
➡P268-269

NV14433A-P

Adaptors
Verbindungsstücke
Réducteurs

No Warranty
Keine Garantie
Sans Garantie



NV14433A	凹 (mm)	凸 (mm)	D (mm)	L (mm)	(g)	(pcs.)	
NV14433A-75P	1/2"	3/8"	25	75	120	10	*1
NV14433A-100P	1/2"	3/8"	25	100	145	10	*1
NV14433A-150P	1/2"	3/8"	25	150	187	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41
➡P268-269

⚠ Adapting down from bigger square drive to smaller square drive may lead to excessive torque load and possibly cause breakage. Always stay within safe torque of the smaller square drive.

Die mit ⚠ gekennzeichneten Artikel können bei Überbelastung zu Bruch gehen. Aus Gründen Ihrer eigenen Sicherheit sollten die betreffenden Werkzeuge nie ruckartig, sondern nach und nach belastet werden, um Bruch und damit verbundene mögliche Verletzungen zu vermeiden.

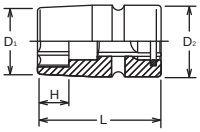
Il est possible d'appliquer aux articles marqués ⚠ des couples de serrage susceptibles d'occasionner leur rupture. Pour votre propre sécurité, veuillez toujours appliquer la charge d'une manière uniforme et progressive. Ceci pour éviter ruptures et accidents.

NV16400

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

NV16400 (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	30	44	12	65	448	5	*1
18	31.3	44	13	65	470	5	*1
19	32.5	44	13	65	455	5	*1
21	35	44	15	65	472	5	*1
22	36.3	44	16	65	471	5	*1
23	37.5	44	16	65	471	5	*1
24	38.8	44	16	65	467	5	*1
26	41.3	44	16	65	477	5	*1
27	42.5	44	16	65	473	5	*1
28	43.8	44	16	68	483	5	*1
29	45	44	18	68	464	5	*1
30	46.3	44	18	68	492	5	*1
32	48.8	44	19	70	514	5	*1
33	50	44	20	70	564	5	*1
34	51.3	44	20	70	588	5	*1
35	52.5	44	20	70	593	5	*1
36	53.8	44	20	70	598	5	*1
38	56.3	44	20	72	670	2	*1
41	60	44	22	72	687	2	*1
46	66.3	44	23	77	906	2	*1
50	69	44	23	77	1116	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

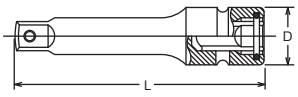


NV16760

Extension Bars
Verlängerungen
Rallonges

	D (mm)	L (mm)	(g)	(pce.)	
NV16760-175	44	175	870	1	*1
NV16760-250	44	250	1160	1	*1
NV16760-330	44	330	1460	1	*1

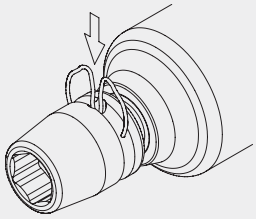
*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

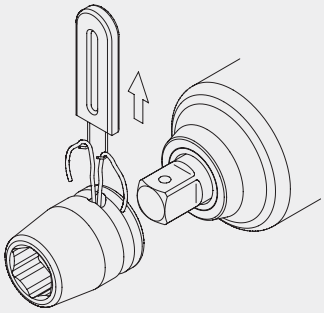


One Piece solid springs steel ring. Simply set by finger pushing and easily removed by puller. Much more convenient and safer than combination of pin and o-ring.

Aus starkem Federstahl, in einem Stück. Bequem, mit einem Fingerdruck einzusetzen und mit dem Auszieher zu lösen. Einfacher und sicherer als die Kombination Stift und Ring.

Acier à ressorts, en une pièce. Mise en place d'une simple pression du pouce, enlèvement au moyen de la griffe d'extraction. Beaucoup plus facile et sûr que la combinaison goupille/bague.

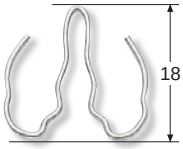




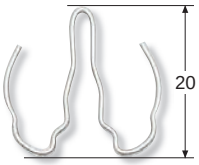
C-RING

C-Ring

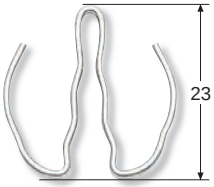
No.	⍁	Opening (mm)	(pcs.)
C31	3/8"	≦12	100
C32	3/8"	>12	100
C41	1/2"	≦14	100
C42	1/2"	>14	100
C61	3/4"	≦46	100
C81	1"	≦46	100
C82	1"	47-70	50
C83	1"	>70	50
C71	1-1/2"	≦90	50



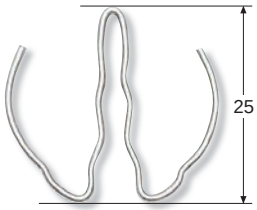
C31



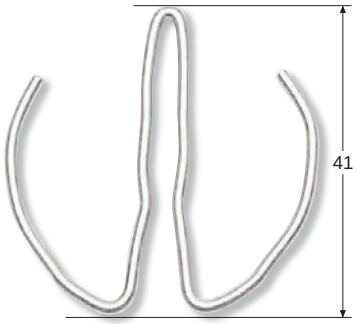
C32



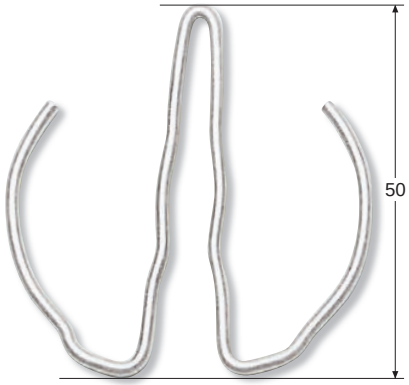
C41



C42



C61



C81

C-Ring Set

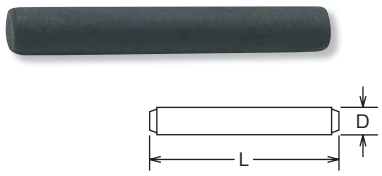
Set No.	⍁	C-Ring 10pcs.	Puller 1pce.
PKC31	3/8"	C31	149
PKC32	3/8"	C32	149
PKC41	1/2"	C41	149
PKC42	1/2"	C42	149
PKC61	3/4"	C61	152
PKC81	1"	C81	152

Puller

No.	⍁		(pcs.)
149	3/8"	1/2"	10
152	3/4"	1"	10

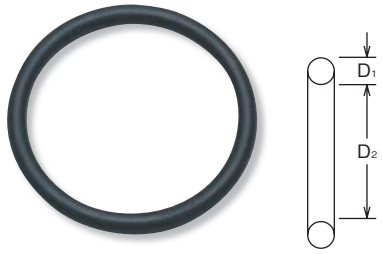
149

152



Pin

No.	⍁	Opening (mm)	D (mm)	L (mm)	(pcs.)
A21	1/4"		1.5	10.2	100
A31	3/8"	≦ 12	2.5	14.5	100
A32	3/8"	> 12	2.5	17.5	100
A41	1/2"	≦ 14	3	20	100
A42	1/2"	> 14	3	25	100
A51	5/8"		4	29	100
A61	3/4"	≦ 46	4	35	100
A62	3/4"	> 46	4	45	100
A81	1"	≦ 46	5	45	100
A82	1"	47-70	5	57	50
A83	1"	> 70	5	75	50
A71	1-1/2"	≦ 90	6	75	50
A72	1-1/2"	> 90	6	110	1
A91	2-1/2"	≦115	8	110	1
A92	2-1/2"	>115	8	155	1
A01	3-1/2"	≦140	13	155	1
A02	3-1/2"	>140	13	180	1



O-Ring

No.	⍁	Opening (mm)	D_1 (mm)	D_2 (mm)	(pcs.)
B21	1/4"		2.5	9	100
B31	3/8"	≦ 12	3.5	13	100
B32	3/8"	> 12	3.5	16	100
B41	1/2"	≦ 14	4	19	100
B42	1/2"	> 14	4	24	100
B51	5/8"		5	28	100
B61	3/4"	≦ 46	5	36	100
B62	3/4"	> 46	5	45	100
B81	1"	≦ 46	7	45	100
B82	1"	47-70	7	57	50
B83	1"	> 70	7	75	50
B71	1-1/2"	≦ 90	10	75	50
B72	1-1/2"	> 90	10	114	1
B91	2-1/2"	≦115	10.5	114	1
B92	2-1/2"	>115	10.5	158	1
B01	3-1/2"	≦140	15	158	1
B02	3-1/2"	>140	15	183	1

IMPACT Standard Sockets	Sq.Dr.	1/4"	3/8"		1/2"		3/4"		1"			1-1/2"	
	C-Ring		C31	C32	C41	C42	C61	C81	C81	C82	C83	C71	
size	Pin/O-Ring	A21/B21	A31/B31	A32/B32	A41/B41	A42/B42	A61/B61	A62/B62	A81/B81	A82/B82	A83/B83	A71/B71	A72/B72
4		●											
4.5	3/16	●											
5		●											
5.5		●											
6	1/4	●	●		●								
7	9/32	●	●		●								
8	5/16	●	●		●								
9	11/32	●	●		●								
10	3/8	●	●		●								
11	7/16	●	●		●								
12		●	●		●								
13	1/2	●		●	●								
14	9/16	●		●	●		●						
15				●		●	●						
16	5/8			●		●	●						
17	11/16			●		●	●		●				
18				●		●	●		●				
19	3/4			●		●	●		●				
20				●		●	●		●				
21	13/16			●		●	●		●				
22	7/8			●		●	●		●				
23				●		●	●		●				
24	15/16			●		●	●		●				
25	1					●	●		●				
26						●	●		●				
27	1- 1/16					●	●		●				
28						●	●		●				
29	1- 1/8					●	●		●				
30	1- 3/16					●	●		●				
31						●	●		●				
32	1- 1/4					●	●		●				
33	1- 5/16					●	●		●				
34	1- 3/8					●	●		●				
36						●	●		●			●	
37	1- 7/16					●	●		●			●	
38	1- 1/2					●	●		●			●	
39						●	●		●			●	
40	1- 9/16					●	●		●			●	
41	1- 5/8					●	●		●			●	
42							●		●			●	
43	1- 11/16						●		●			●	
44							●		●			●	
45	1- 3/4						●		●			●	
46	1- 13/16						●		●			●	
47								●		●		●	
48	1- 7/8							●		●		●	
	1- 15/16							●		●		●	
50								●		●		●	
	2							●		●		●	
52	2- 1/16							●		●		●	
54	2- 1/8							●		●		●	
55	2- 3/16							●		●		●	
56								●		●		●	
	2- 1/4							●		●		●	
58	2- 5/16							●		●		●	
60	2- 3/8							●		●		●	
62	2- 7/16							●		●		●	
63								●		●		●	
	2- 1/2							●		●		●	
65	2- 9/16							●		●		●	
67	2- 5/8							●		●		●	
68	2- 11/16							●		●		●	
70	2- 3/4							●		●		●	
	2- 13/16										●	●	
	2- 7/8										●	●	
75	2- 15/16										●	●	
	3										●	●	
	3- 1/16										●	●	
80	3- 1/8										●	●	
	3- 1/4										●	●	
85											●	●	
	3- 3/8										●	●	
90	3- 1/2										●	●	
	3- 5/8										●	●	
95	3- 3/4										●		●
100	3- 7/8										●		●
105	4										●		●
	4- 1/8												●
110	4- 1/4												●
115	4- 1/2												●
120	4- 5/8												●
	4- 3/4												●
125	4- 7/8												●
130	5												●
135	5- 1/4												●
140													●
150													●
	6												●
	6- 1/2												●

SOCKETS WITH TURNABLE PLASTIC PROTECTORS
STECKSCHLÜSSEL MIT DREHBAREN SCHUTZHÜLSEN AUS KUNSTSTOFF
DOUILLES A PROTECTIONS PLASTIFIEES

PROTECTOR SOCKET

Safety

Turnable plastic protector increases operator's safety during assembly process.

Unsere drehbaren Kunststoff-Hülsen erhöhen die Arbeitssicherheit während des Montageprozesses.

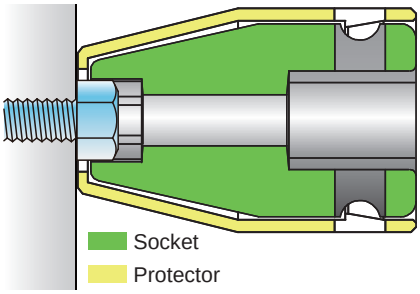
Nos protections rotatives plastifiées augmentent la sécurité lors du montage.

Scratch proof

Protector helps to reduce the possibility giving damage on painted, polished and sensitive surfaces. Protector is free rotation designed.

Die Protektoren vermeiden Beschädigungen an lackierten-, polierten- bzw. empfindlichen Oberflächen. Unsere Protektoren sind frei drehbar.

Les protections évitent des endommagements sur des surfaces laquées, polies ou sensibles. Nos protections ont une libre rotation.

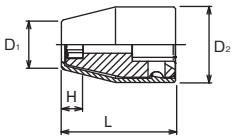


FLAT DRIVE®

13400M-FR

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

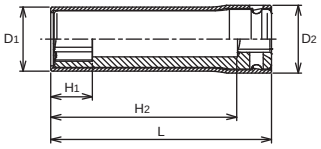
13400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)
8FR	15.7	22	6	33.3	40
10FR	18.2	22	7	33.3	40
12FR	20.8	22	9	33.3	43
13FR	21.8	25	10	33.3	56
14FR	23.6	25	10	33.3	56
16FR	26.1	25	11	33.3	57
17FR	27.3	25	12	33.3	60



13300M-FR

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans

13300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)
8FR	16.1	22	9	67.5	81.3	87
10FR	18.6	22	11	67.5	81.3	99
12FR	21.1	22	13	67.5	81.3	116
13FR	22.3	25	14	67.5	81.3	143
14FR	23.6	25	15	67.5	81.3	153
16FR	26	25	17	66.5	81.3	161
17FR	27.2	25	18	66.5	81.3	173

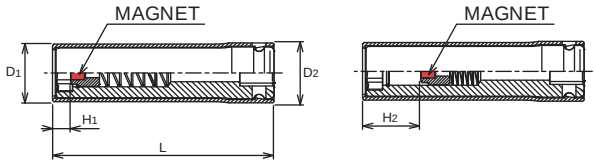


13300G-FR

MG Impact Socket with Sliding Magnet
Impact Steckschlüssel mit versenkbarem Magnet
Douilles Impact avec aimant, glissant pour écrous

Magnet

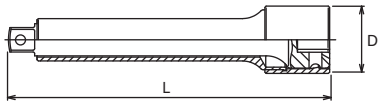
13300G (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)
8FR	16.1	22	5	27.5	81.3	87
10FR	18.6	22	5.5	27	81.3	110
12FR	21.1	22	7	27	81.3	141
13FR	22.3	25	7.5	26	81.3	170
14FR	23.6	25	8	25	81.3	191
16FR	26	25	8.5	28	81.3	215
17FR	27.2	25	9	28	81.3	225



13760-P.FR

Extension Bars
Verlängerungen
Rallonges

	D (mm)	L (mm)	(g)
13760-75P.FR	26.2	75	100
13760-125P.FR	26.2	125	145
13760-250P.FR	26.2	250	220

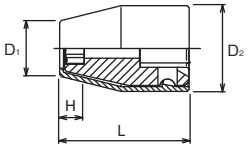


The protector could be broken with any impacts. Please handle with care.

14400M-FR

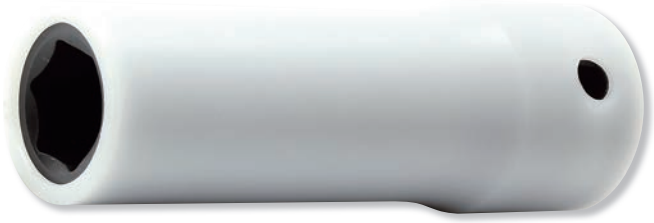
6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

14400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)
10FR	19.5	28	7	39.3	90
12FR	22	28	9	39.3	90
13FR	23.2	28	10	39.3	90
14FR	24.8	28	11	39.3	90
15FR	26.6	33	11	39.3	135
16FR	27	33	10	39.3	135
17FR	28.2	33	12	39.3	135
18FR	30.2	33	13	39.3	135
19FR	31	33	13	39.3	130

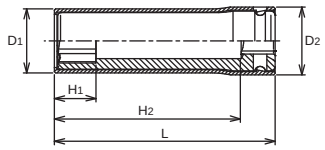


14300M-FR

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans

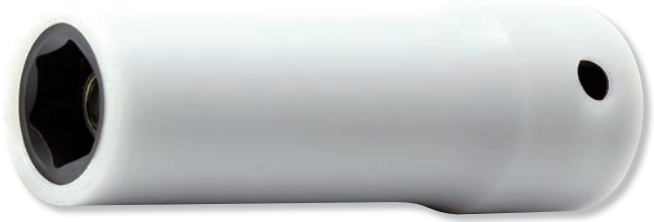


14300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)
10FR	19.8	28	11	63	81.3	145
12FR	22.3	28	13	63	81.3	167
13FR	23.5	28	14	63	81.3	167
14FR	24.8	28	15	63	81.3	179
16FR	27.3	33	17	63	81.3	237
17FR	28.5	33	18	63	81.3	237
18FR	29.8	33	18	62	81.3	237
19FR	31	33	20	62	81.3	245

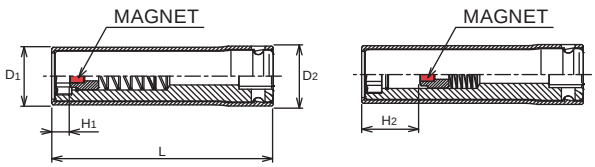


14300G-FR

MG Impact Socket with Sliding Magnet
Impact Steckschlüssel mit versenkbarem Magnet
Douilles Impact avec aimant, glissant pour écrous



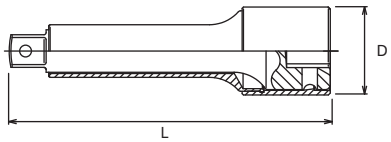
14300G (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)
10FR	19.8	28	5.5	27	81.3	145
12FR	22.3	28	7	27	81.3	170
13FR	23.5	28	7.5	26	81.3	190
14FR	24.8	28	8	25	81.3	194
16FR	27.3	33	8.5	27.5	81.3	275
17FR	28.5	33	9	27.5	81.3	277
19FR	31	33	10	28.5	81.3	313



14760-P.FR

Extension Bars
Verlängerungen
Rallonges

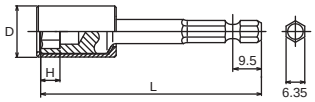
	D (mm)	L (mm)	(g)
14760-75P.FR	34.2	75	195
14760-125P.FR	34.2	125	280
14760-250P.FR	34.2	250	480



The protector could be broken with any impacts. Please handle with care.

113-75SV / -100SV / -150SV

Nut Setters
Steckschlüssel Klingen
Embouts pour écrous



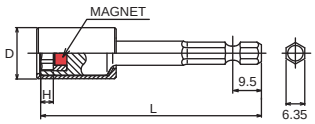
113-75 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	6	75	34
10SV	16.9	7	75	37
12SV	19.4	8	75	44
13SV	20.4	8	75	45
14SV	21.3	9	75	45

113-100 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	6	100	43
10SV	16.9	7	100	47
12SV	19.4	8	100	54
13SV	20.4	8	100	55
14SV	21.3	9	100	55

113-150 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	6	150	62
10SV	16.9	7	150	66
12SV	19.4	8	150	72
13SV	20.4	8	150	80
14SV	21.3	9	150	80

115-75SV / -100SV / -150SV

Nut Setters with Magnet
Steckschlüssel Klingen mit Magnet
Embouts avec aimant pour écrous



115-75 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	3.5	75	35
10SV	16.9	4.2	75	40
12SV	19.4	5.6	75	48
13SV	20.4	6	75	54
14SV	21.3	6.4	75	54

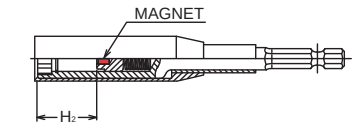
115-100 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	3.5	100	44
10SV	16.9	4.2	100	52
12SV	19.4	5.6	100	60
13SV	20.4	6	100	67
14SV	21.3	6.4	100	67

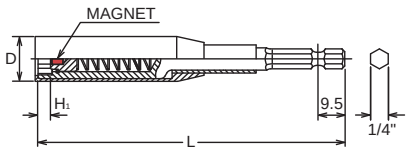
115-150 (mm)	D (mm)	H (mm)	L (mm)	(g)
8SV	15.1	3.5	150	63
10SV	16.9	4.2	150	70
12SV	19.4	5.6	150	79
13SV	20.4	6	150	87
14SV	21.3	6.4	150	87

115G-100FR / -150FR / -200FR

SLIDE MAGNET

Nut Setters with sliding Magnet
Steckschlüssel Klingen mit versenkbarem Magnet
Embouts avec aimant, glissant pour écrous





115G-100 (mm)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)
8FR	15.1	4	26	100	55
10FR	16.9	4.5	26	100	60
12FR	19.3	6	26	100	80
13FR	20.4	6.5	25	100	85
14FR	21.3	7	24	100	85

115G-150 (mm)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)
8FR	15.1	4	26	150	75
10FR	16.9	4.5	26	150	80
12FR	19.3	6	26	150	100
13FR	20.4	6.5	25	150	110
14FR	21.3	7	24	150	110

115G-200 (mm)	D (mm)	H₁ (mm)	H₂ (mm)	L (mm)	(g)
8FR	15.1	4	26	200	90
10FR	16.9	4.5	26	200	100
12FR	19.3	6	26	200	125
13FR	20.4	6.5	25	200	135
14FR	21.3	7	24	200	135

The protector could be broken with any impacts. Please handle with care.

Specifications or design of any product in this catalogue are subject to change without notice.

Wir behalten uns das Recht vor, jedes in diesem Katalog gezeigte Werkzeug, auch ohne vorherige Ankündigung, in Ausführung und Design ändern zu dürfen.

Nous nous réservons le droit de modifier les modèles et les dimensions des outils présentés dans ce catalogue et ce sans autre notification préalable.

REPLACEMENT

Remove a damaged Protector and put a new Protector on socket / Extension bar by pressing.
For your safety, worn out or cracked Protector must be replaced.

AUSTAUSCH

Entfernen Sie defekte Protektoren und ersetzen Sie diese auf Ihrem Steckschlüssel/Verlängerung mittels einer Presse.
Bitte tauschen Sie zu Ihrer Sicherheit verschlissene Protektoren aus !

REMPLACEMENT

Retirez les protections défectueuses, remplacez celles-ci et fixez-les sur les douilles/rallonges à l'aide d'une presse.
Pour votre sécurité remplacez toute protection défectueuse.

INDUSTRIAL SOCKETS
STECKSCHLÜSSEL, INDUSTRIE-AUSFÜHRUNG
CLÉS À DOUILLES, FINISSAGE INDUSTRIEL

1/4”

3/8”

1/2”

◆INDUSTRIAL SOCKETS

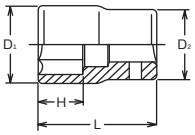
Industrial sockets are thin walled sockets to be used on electric or pneumatic nut runners for assembly work only.

Bei den Industrial Steckschlüsseln handelt es sich um dünnwandige Werkzeuge, die ausschliesslich auf pneumatischen und elektrischen Drehschraubern (nicht schlagend) verwendet werden dürfen.

Les douilles Industrielles à paroi mince ne doivent être utilisées que sur des vis à fixer par visseuses (non-chocs).

22400M

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

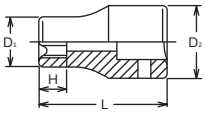


FLAT DRIVE®

22400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
6	9.2	11.2	5.5	22	9	10
7	10.3	11.2	6	22	9	10
8	11.2	11.7	6.9	22	11	10
10	14.3	12.9	7.7	22	15	10
12	16.8	15.5	9.3	22	23	10
13	18	16.4	9.8	22	23	10

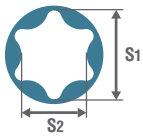
22425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



22425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 4	5.4	11.2	4.6	22	7	10
E 5	6.7	11.2	5.2	22	8	10
E 6	7.7	11.2	5.4	22	8	10
E 7	8.3	11.2	6.6	22	9	10
E 8	9.6	11.2	7	22	9	10
E10	11.3	12	8.2	22	10	10

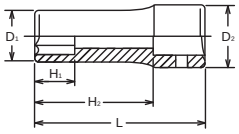
TORX® (E)



E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

22300M / 22300A

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans



22300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
7	10.3	11.2	8	40	50	24	10
8	11.2	11.7	9	40	50	28	10
10	14.3	12.9	11	39	50	33	10
12	16.8	15.5	13	39	50	50	10
13	18	16.4	14	39	50	50	10

22300A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
1/4	9.6	11.2	7	40	50	24	10
5/16	11.2	11.7	9	40	50	28	10
3/8	13.7	12.5	11	40	50	33	10

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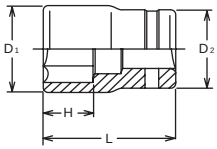
23400M / 23400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

FLAT DRIVE®

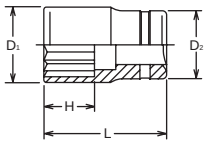


23400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
6	9.9	17.3	6	26	20	10
7	10.8	17.3	6.5	26	20	10
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
11	15.8	17.3	9.3	26	25	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10
21	28	26	14.5	32	77	10

23400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/16	12	17.3	6.9	26	22	10
3/8	13.9	17.3	8	26	22	10
7/16	15.8	17.3	9.3	26	25	10
1/2	18	17	9.4	26	24	10
9/16	19.5	18.5	11	27	31	10
11/16	24.6	22.5	13	30	51	10
3/4	26	23.5	13.5	30	63	10

23405M

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans

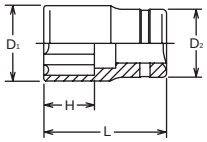


23405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
14	19.5	18.5	11	27	31	10

23410M

Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive

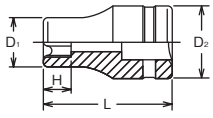
SURFACE DRIVE



23410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	12	17.3	6.9	26	22	10
10	14.5	17.3	8	26	24	10
12	16.8	17.3	9	26	25	10
13	18	17	9.4	26	24	10
14	19.5	18.5	11	27	31	10
15	21	19.5	11.5	28	39	10
16	22	20	12	28	42	10
17	23.5	21.5	12.5	29	51	10
18	24.6	22.5	13	30	51	10
19	26	23.5	13.5	30	53	10

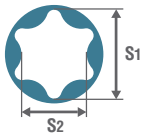
23425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



23425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E 5	7	17.3	5.2	26	20	10
E 6	8.3	17.3	5.4	26	21	10
E 7	8.9	17.3	6.6	26	22	10
E 8	9.9	17.3	7	26	23	10
E10	12	17.3	8.2	26	24	10
E11	13.3	17.3	8.7	26	25	10
E12	14.5	17.3	9.3	26	26	10
E14	15.8	17.3	10.6	26	27	10
E16	18	17	11.8	26	27	10

TORX® (E)



E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

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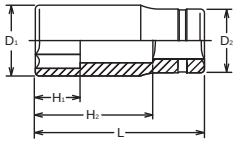
TORX® est une marque déposée de **CAMCAR Innovations.**

3/8”

23300M / 23300A

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans

FLAT DRIVE®

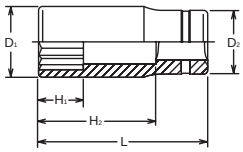


23300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
7	10.6	17.4	8	41.5	55	40	10
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
11	16	17.2	12	41.5	55	55	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	78	10
16	22	20	17	40.5	55	79	10
17	23.5	22	18	40.5	55	96	10
18	24.5	23	19	39.5	55	96	10
19	25	24	20	39.5	55	102	10

23300A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
5/16	12	17.4	9	41.5	55	45	10
3/8	14	17.4	11	41.5	55	51	10
7/16	16	17.2	12	41.5	55	55	10
1/2	18	17	14	41.5	55	57	10
9/16	20	18	16	41.5	55	68	10
11/16	23.5	22	18	40.5	55	96	10
3/4	25	24	20	39.5	55	102	10

23305M

12-point Deep Sockets
12-kant Steckschlüssel,lang
Douilles longues 12-pans

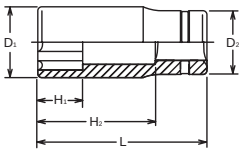


23305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
14	20	18	16	41.5	55	68	10

23310M

Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive

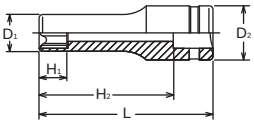
SURFACE DRIVE



23310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	12	17.4	9	41.5	55	45	10
10	14.5	17.4	11	41.5	55	52	10
12	16.8	17.2	13	41.5	55	58	10
13	18	17	14	41.5	55	57	10
14	20	18	16	41.5	55	68	10
15	21	20	16	40.5	55	80	10
17	23.5	22	18	40.5	55	96	10

23325

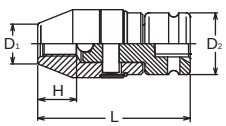
TORX® Deep Sockets
TORX® Steckschlüssel, lang
Douilles longues TORX®



23325 (E)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
E 5	6.9	17.4	5.2	41.5	55	50	10
E 6	7.9	17.4	5.4	41.5	55	52	10
E 7	8.9	17.4	6.6	41.5	55	55	10
E 8	9.9	17.4	7	41.5	55	58	10
E10	11.8	17.2	8.2	41.5	55	60	10
E12	14.5	17.2	9.3	41.5	55	68	10
E14	15.7	17.2	10.6	41.5	55	77	10
E16	18	17	11.8	41.5	55	80	10

23103M

Stud Bolt Setter with unlocking system
Stehbolzensetzer mit Entriegelungssystem
Monte-goujons avec système de déverrouillage



	23103M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New	**6(1.0)**	11.1	22	9	59	175	10	*1
New	**8(1.25)**	13.6	22	11	61	181	10	*1
New	**10(1.25)**	16	22	13	63	188	10	*1
New	**10(1.5)**	16	22	13	63	188	10	*1

*1 C-Ring=C32, Pin/O-Ring=A32/B32 ➡P268-269

This item is not suitable for Impact Drivers.
The tool should only be used with non-impacting electric screwdrivers.

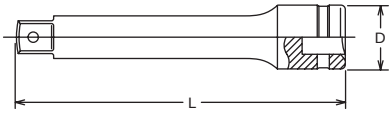
Das Werkzeug ist nicht für Schlagschrauber geeignet.
Das Werkzeug sollte ausschliesslich mit nicht schlagenden Elektroschraubern verwendet werden.

L'outil n'est pas adapté aux visseuses à chocs.
L'outil doit être utilisé exclusivement avec des visseuses électriques non percutantes.

23760-P

Extension Bars
Verlängerungen
Rallonges

	D (mm)	L (mm)	(g)	(pcs.)
23760-75P	18	75	70	10
23760-125P	18	125	110	10
23760-250P	18	250	200	5



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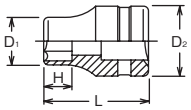
FLAT DRIVE®

24400M / 24400A

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

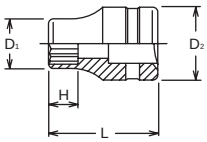


24400M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
11	16.5	21	9.5	37	46	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
20	27.9	26	15	38	92	10
21	29.1	27	15.5	38	102	10
22	30.1	28	16	40	113	10
23	31.5	29	16.5	40	128	10
24	32.9	30	17	42	140	5
26	35	32	19	42	165	5
27	36.5	33	19.5	43	196	5
29	39	35	20.5	43	190	5
30	40	36	22	46	222	5
32	42.8	38	23	46	250	5

24400A (inch)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
7/16	16.5	21	9.5	37	46	10
1/2	19	22	10.5	37	53	10
9/16	20.3	22	11	37	56	10
5/8	22.9	22	12	37	62	10
3/4	26.6	25	14	38	89	10
15/16	32.9	30	17	42	140	10

24405M

12-point Sockets
12-kant Steckschlüssel
Douilles 12-pans

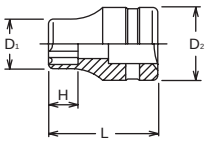


24405M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
14	20.3	22	11	37	56	10
17	24.1	23	12.5	37	69	10
19	26.6	25	14	38	89	10

SURFACE DRIVE

24410M

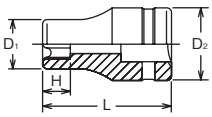
Surface Drive Sockets
Surface Drive Steckschlüssel
Douilles, Surface Drive



24410M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	9	37	45	10
12	17.8	21	10	37	47	10
13	19	22	10.5	37	53	10
14	20.3	22	11	37	56	10
15	21.5	22	11.5	37	52	10
16	22.8	22	12	37	62	10
17	24.1	23	12.5	37	69	10
18	25.1	24	13	37	74	10
19	26.6	25	14	38	89	10
21	29.1	27	15.5	38	102	10
22	30.1	28	16	40	113	10
24	32.9	30	17	42	140	10

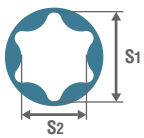
24425

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®



24425 (E)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E10	13.2	21	8.2	36	68	10
E12	14.6	21	9.3	37	70	10
E14	16.5	21	10.6	37	75	10
E16	19	21.9	11.8	37	80	10
E18	20.3	21.9	13	37	83	10
E20	22.9	22	14.4	37	121	10

TORX® (E)



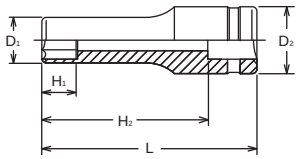
E		E4	E5	E6	E7	E8	E10	E11	E12	E14	E16	E18	E20	E22	E24	E26	E28	E30	E32
S1	(ref. mm)	3.7	4.6	5.6	6.1	7.4	9.3	9.9	11.0	12.8	14.6	16.5	18.3	20.1	22.0	23.7	25.5	27.3	29.0
S2	(ref. mm)	2.7	3.3	4.0	4.3	5.3	6.8	7.1	7.9	9.2	10.5	11.9	13.2	14.8	15.7	17.5	18.3	20.0	21.3

TORX® is a registered trademark of **CAMCAR Innovations.**
TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

24300M / 24300A

6-point Sockets, deep
6-kant Steckschlüssel, lang
Douilles longues, 6-pans

FLAT DRIVE®

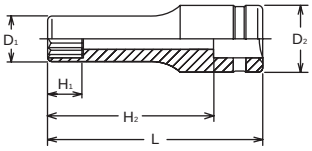


24300M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
11	16.5	21	12	59	77	95	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	164	10
19	26.5	25	20	58	77	177	10
20	27.8	26	21	58	77	178	10
21	29	27	23	58	77	187	10
22	30	28	27	57	77	202	10
New **23**	31.5	29	27	57	77	235	10
24	32.8	30	27	57	77	252	10
27	36.5	33	28	56	77	303	10
30	40	36	34	55	77	342	10
32	42.8	38	34	55	77	405	10

24300A (inch)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
7/16	16.5	21	12	59	77	95	10
1/2	19	21.8	14	59	77	107	10
9/16	20.3	21.8	15	59	77	118	10
5/8	22.8	22	17	59	77	141	10
21/32	24	23	18	59	77	150	10
11/16	25	24	19	59	77	164	10
3/4	26.5	25	20	58	77	177	10
13/16	29	27	23	58	77	187	10
15/16	32.8	30	27	57	77	252	10

24305M

12-point Deep Sockets
12-kant Steckschlüssel,lang
Douilles longues 12-pans

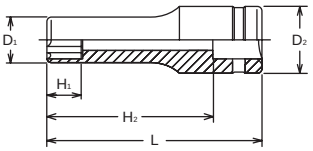


24305M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
14	20.3	21.8	16	59	77	118	10
17	24	23	18	59	77	150	10
19	26.5	25	20	58	77	177	10

24310M

Surface Drive Sockets, deep
Surface Drive Steckschlüssel, lang
Douilles longues, Surface Drive

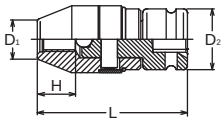
SURFACE DRIVE



24310M (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
10	15.3	21	11	59	77	91	10
12	17.8	21	13	59	77	99	10
13	19	21.8	14	59	77	107	10
14	20.3	21.8	16	59	77	118	10
15	21.5	21.8	16	59	77	123	10
16	22.8	22	17	59	77	141	10
17	24	23	18	59	77	150	10
18	25	24	19	59	77	160	10
19	26.5	25	20	58	77	177	10
21	29	27	23	58	77	187	10
22	30	28	27	57	77	202	10
24	32.8	30	27	57	77	250	10

24103M

Stud Bolt Setter with unlocking system
Stehbolzensetzer mit Entriegelungssystem
Monte-goujons avec système de déverrouillage



24103M (mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
New **8(1.25)**	15.4	30	15	69	332	10	*1
New **10(1.25)**	17.8	30	18	72	344	10	*1
New **10(1.5)**	17.8	30	18	72	344	10	*1
New **12(1.75)**	20.2	30	19	74	352	10	*1

*1 C-Ring=C42, Pin/O-Ring=A42/B42 ➡P268-269

This item is not suitable for Impact Drivers.
The tool should only be used with non-impacting electric screwdrivers.

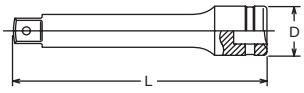
Das Werkzeug ist nicht für Schlagschrauber geeignet.
Das Werkzeug sollte ausschliesslich mit nicht schlagenden Elektroschraubern verwendet werden.

L'outil n'est pas adapté aux visseuses à chocs.
L'outil doit être utilisé exclusivement avec des visseuses électriques non percutantes.

24760-P

Extension Bars
Verlängerungen
Rallonges

	D (mm)	L (mm)	(g)	(pcs.)
24760-75P	24	75	140	10
24760-125P	24	125	200	5
24760-250P	24	250	370	5



AUTOMOTIVE TOOLS

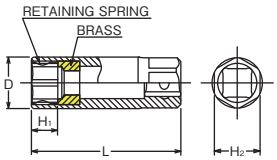
WERKZEUGE FÜR KFZ UND NUTZFAHRZEUGE

OUTILS POUR POIDS LOURDS ET VÉHICULES UTILITAIRES

3300C / 4300C

Spark Plug Sockets with Spring Clips
Zündkerzen-Schlüssel mit Haltefeder
Douille avec ressorts de retenue pour bougies

SPARK PLUG SOCKET



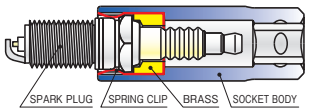
Spring clip type spark plug sockets caused deforming the clip, if it would be used with shallow engagement.

Zündkerzen-Schlüssel mit Haltefedern müssen korrekt auf die Zündkerze gesteckt werden. Ansonsten kann sich die Halteklammer verbiegen.

Les douilles de bougies d'allumage à clip à ressort ont causé la déformation du clip, s'il était utilisé avec un engagement peu profond.

3300C (mm)	⬚	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
13	3/8"	17.5	11	17	70	66	10
14		19	11	17	70	82	10
16		20.5	13	17	70	91	10
18		23.9	12	21	70	140	10
20.8		26.9	13.5	22	70	132	10

4300C (mm)	⬚	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
16	1/2"	21	13	21	70	101	10
18		23.9	12	21	70	132	10
20.8		26.9	13.5	22	70	130	10



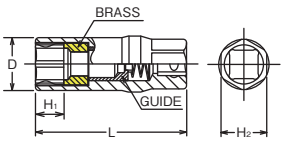
Spark Plug Sockets with Spring Clip
An internal brass guide holds the clips in place, which ensures perfect alignment of the spark plug into the threaded plug hole of cylinder head, thus preventing thread damage.
The brass guide also eliminates stress loading abd possible damage to the ceramic insulator of the spark plug.

Zündkerzenstecker mit Federklemme
Eine interne Messingführung hält die Clips an ihrem Platz, was eine perfekte Ausrichtung der Zündkerze in der Gewindebohrung des Zylinderkopfes gewährleistet und somit eine Beschädigung des Gewindes verhindert.
Die Messingführung eliminiert auch Stressbelastung und mögliche Schäden an dem Keramikisolator der Zündkerze.

Douilles pour bougies d'allumage avec clip à ressort
Un guide interne en laiton maintient les clips en place, ce qui assure un alignement parfait de la bougie d'allumage dans le trou fileté de la culasse, évitant ainsi d'endommager le filetage.
Le guide en laiton élimine également les contraintes et les risques d'endommagement de l'isolant en céramique de la bougie d'allumage.

3300CB

Spark Plug Socket (BMW)
Zündkerzen-Schlüssel (BMW)
Douille pour bougies (BMW)



3300CB (mm)	⬚	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
16	3/8"	22.8	13	19	65	118	10

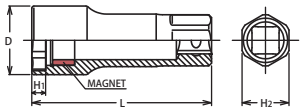
Spring clip type spark plug sockets caused deforming the clip, if it would be used with shallow engagement.

Zündkerzen-Schlüssel mit Haltefedern müssen korrekt auf die Zündkerze gesteckt werden. Ansonsten kann sich die Halteklammer verbiegen.

Les douilles de bougies d'allumage à clip à ressort ont causé la déformation du clip, s'il était utilisé avec un engagement peu profond.

3300P

Spark Plug Socket with Magnet
Zündkerzensteckschlüssel mit Magnet
Douille pour bougies, avec aimant



3300P (mm)	⬚	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
19	3/8"	24.8	5	17	65	88	10

19mm spark plug for generators, grass trimmers and chainsaws.

19mm Zündkerzen für Generatoren, Rasenmäher und Motorsägen.

Douille pour bougies de 19 mm pour les générateurs, les coupe-herbes et les tronçonneuses.

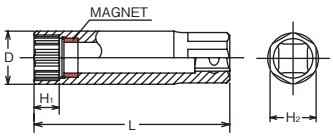
The magnet can break by any impacts. Please handle with care.

Der Magnet kann durch Stöße beschädigt werden. Bitte mit Vorsicht handhaben.

L'aimant peut être brisé par n'importe quel impact. Veuillez le manipuler avec précaution.

3305P

Spark Plug Socket with Magnet, 12-pt. opening
Zündkerzensteckschlüssel mit Magnet, 12-kant
Douille pour bougies, avec aimant, 12-pans



3305P (mm)	⬚	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
12	3/8"	16.5	6.3	–	70	78	10
14		19	8	17	70	87	10
16		20.5	8	17	70	100	10

Spark Plug Socket with Magnet, 12-pt. opening: 3305P-14

The magnet can break by any impacts. Please handle with care.

Der Magnet kann durch Stöße beschädigt werden. Bitte mit Vorsicht handhaben.

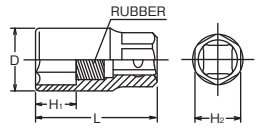
L'aimant peut être brisé par n'importe quel impact. Veuillez le manipuler avec précaution.

3300S / 4300S

Spark Plug Sockets with Rubber
Zündkerzen-Schlüssel mit Gummieinsatz
Douille pour bougies avec caoutchouc

3300S (mm)		D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
16	3/8"	20.9	19	17	70	100	10
18		23.9	21	21	70	145	10
20.8		26.9	27	22	70	140	10

4300S (mm)		D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
16	1/2"	21	19	21	70	100	10
18		23.9	21	21	70	130	10
20.8		26.9	27	22	70	135	10



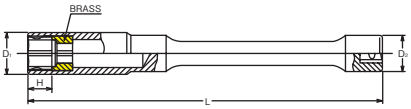
3300C-180 / -250

Spark Plug Sockets with Spring Clips
Zündkerzen-Schlüssel mit Haltefedern
Douille avec ressorts de retenue pour bougies

3300C-180 (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	18	11	180	205	5
16		20.5	18	13	180	220	5
20.8		26.9	18	13.5	180	260	5

3300C-250 (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	18	11	250	271	5
16		20.5	18	13	250	290	5
20.8		26.9	18	13.5	250	340	5

SPARK PLUG SOCKET



Spring clip type spark plug sockets caused deforming the clip, if it would be used with shallow engagement.

Zündkerzen-Schlüssel mit Haltefedern müssen korrekt auf die Zündkerze gesteckt werden. Ansonsten kann sich die Halteklammer verbiegen.

Les douilles pour bougies avec clips à ressorts doivent être correctement insérées sur la bougie d'allumage. Dans le cas contraire la pince de maintien peut se déformer.

3305P-250

Spark Plug Socket with Magnet, 12pt. opening
Zündkerzensteckschlüssel mit Magnet, 12-kant
Douille pour bougies, avec aimant, 12-pans

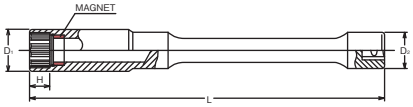
Magnet

3305P-250 (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	18	8	250	250	5

The magnet can break by any impacts. Please handle with care.

Der Magnet kann durch Stöße beschädigt werden. Bitte mit Vorsicht handhaben.

L'aimant peut être brisé par n'importe quel impact. Veuillez le manipuler avec précaution.



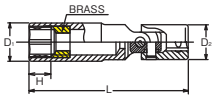
3340C
4340C

Universal Spark Plug Sockets with Spring Clips
Gelenk-Zündkerzenschlüssel mit Haltefeder
Douille articulée avec ressorts de retenue pour bougies

3340C (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	19	11	88	109	10
16		21	19	13	88	122	10
18		23.9	19	12	88	145	10
20.8		26.8	19	13.5	88	174	10

4340C (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
16	1/2"	21	25	13	107	220	10
20.8		26.8	25	13.5	107	250	10

SPARK PLUG SOCKET



Spring clip type spark plug sockets caused deforming the clip, if it would be used with shallow engagement.

Zündkerzen-Schlüssel mit Haltefedern müssen korrekt auf die Zündkerze gesteckt werden. Ansonsten kann sich die Halteklammer verbiegen.

Les douilles pour bougies avec clips à ressorts doivent être correctement insérées sur la bougie d'allumage. Dans le cas contraire la pince de maintien peut se déformer.

3345P

Universal Spark Plug Socket with Magnet, 12-point opening
Gelenk-Zündkerzensteckschlüssel mit Magnet, 12-kant Ausführung
Clé pour bougies à déclenchement articulée avec aimant, 12 pans

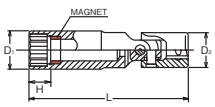
Magnet

3345P (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	19	8	88	110	10

The magnet can break by any impacts. Please handle with care.

Der Magnet kann durch Stöße beschädigt werden. Bitte mit Vorsicht handhaben.

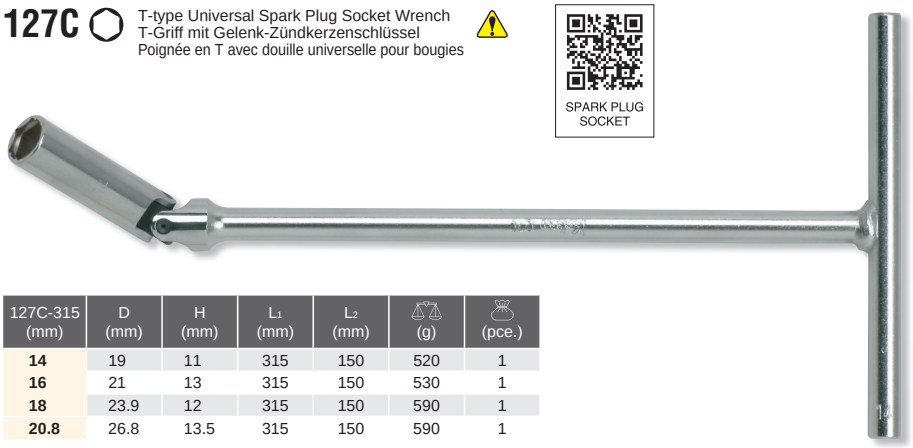
L'aimant peut être brisé par n'importe quel impact. Veuillez le manipuler avec précaution.

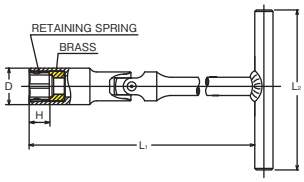


127C

T-type Universal Spark Plug Socket Wrench
T-Griff mit Gelenk-Zündkerzenschlüssel
Poignée en T avec douille universelle pour bougies

SPARK PLUG SOCKET





127C-315	D (mm)	H (mm)	L1 (mm)	L2 (mm)	(g)	(pce.)
14	19	11	315	150	520	1
16	21	13	315	150	530	1
18	23.9	12	315	150	590	1
20.8	26.8	13.5	315	150	590	1

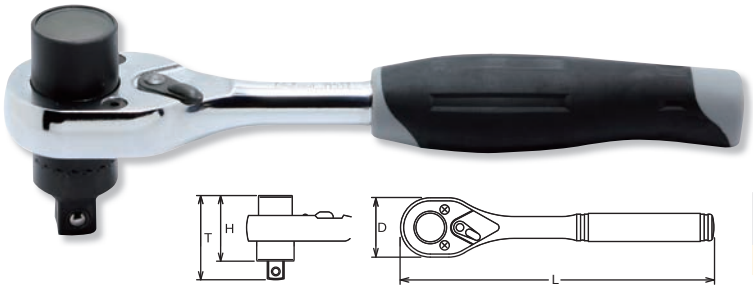
Spring clip type spark plug sockets caused deforming the clip, if it would be used with shallow engagement.

Zündkerzen-Schlüssel mit Haltefedern müssen korrekt auf die Zündkerze gesteckt werden. Ansonsten kann sich die Halteklammer verbiegen.

Les douilles pour bougies avec clips à ressorts doivent être correctement insérées sur la bougie d'allumage. Dans le cas contraire la pince de maintien peut se déformer.

3751J

Torque Ratchet for Spark plugs
Drehmoment-Knarre für Zündkerzen
Cliquet pour bougies à déclenchement 25Nm



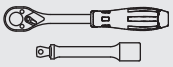
		D (mm)	T (mm)	H (mm)	L (mm)	(g)	(pce.)
3751J-25	3/8"	34	57	43	178	320	1

3225A

Set for Torque Controlled Installation of Spark Plugs
Set zur Drehmoment kontrollierten Montage von Zündkerzen
Jeu qui permet la rotation controlée lors du montage des bougies à déclenchement

3225A	4 Pieces Set/=960g

METAL CASE:W215×H80×T47mm

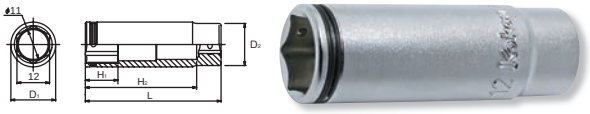
Sockets	Accessories
3300C Spark Plug Sockets 16, 20.8	 **3751J-25** **3763-125**

NUT GRIP®

2350G-12PSG

NUT GRIP® Sockets for PSG-Glow Plugs
Steckschlüssel für PSG-Glühkerzen
Douille pour bougies PSG

2350G-PSG (mm)	☐	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
12	1/4"	16.5	15.5	12	41	50	41	10

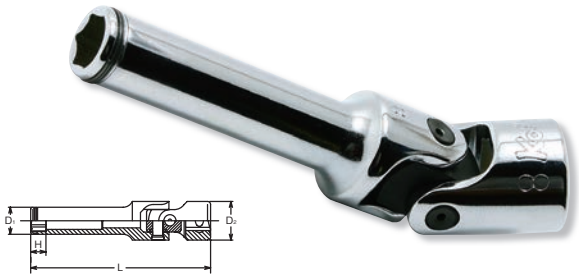


3341G-70 / -89

Universal PSG Glow Plug Socket with **NUT GRIP®**
Gelenksteckschlüssel für PSG-Glühkerzen mit 2fach Kugelhalterung
Douille articulée pour bougies de préchauffement PSG, avec le système de billes de retenue, double.

3341G-70 (mm)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
10	3/8"	14.5	19	6	70	76	10
11		15.8	19	6	70	80	10
12		17	19	6	70	85	10

3341G-89 (mm)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	3/8"	12	19	7.5	89	82	10
9		13.3	19	7.5	89	87	10
10		14.5	19	6	89	92	10
12(DP52)		17	19	14	89	101	10

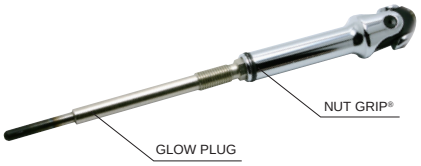


GLOW PLUG SOCKETS, NUT GRIP®

Twin balls at the 6-point opening hold bolt/nut tightly for safe and reliable work.

Die zwei Kugeln in der 6-kant Öffnung unserer NUT GRIP® Glühkerzensteckschlüssel halten die Zündkerze sicher im Steckschlüssel. Dies erlaubt ein Arbeiten auch an schwer zugänglichen Stellen.

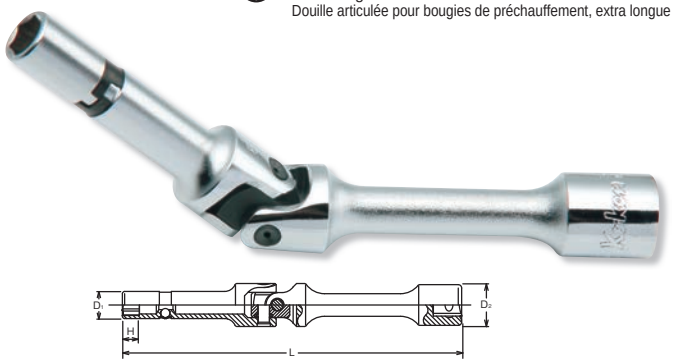
Les deux billes se trouvant dans l'ouverture de notre NUT GRIP® (6 pans) pour bougies de préchauffement, maintiennent la bougie de déclenchement dans la douille. Ceci permet l'accès dans les endroits difficilement accessibles.



3342G-150

Deep length universal Glow Plug Socket
Extra langer Glühkerzen-Steckschlüssel mit Gelenk
Douille articulée pour bougies de préchauffement, extra longue

3342G-150 (mm)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	3/8"	12	18	7.5	150	137	10



178-10H

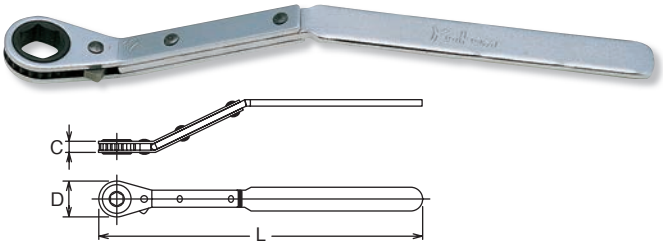
For Glow Plugs
Für Glühkerzen
Pour bougies de préchauffement

178-10H (mm)	D (mm)	H1 (mm)	H2 (mm)	S (mm)	L (mm)	(g)	(pcs.)
9	13	6.5	10	6.7	50	16	10

144KM

For Glow Plugs
Für Glühkerzen
Pour bougies de préchauffement

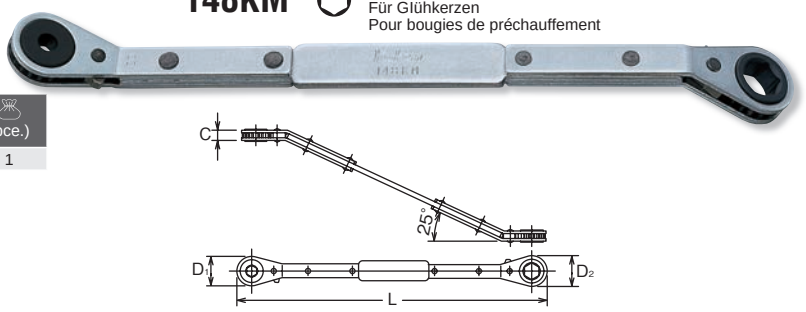
144KM (mm)	L (mm)	D (mm)	C (mm)	(g)	(pce.)
8	200	22.7	7.5	95	1
12	200	22.7	7.5	102	1



148KM

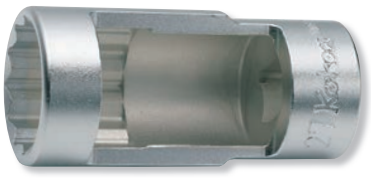
For Glow Plugs
Für Glühkerzen
Pour bougies de préchauffement

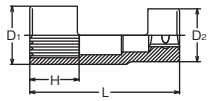
148KM (mm)	L (mm)	D1 (mm)	D2 (mm)	C (mm)	(g)	(pce.)
8S×12	245	23.6	24.6	9	187	1



SP4305M-77

Socket for Diesel engine injectors
Steckschlüssel für Diesel-Einspritzüsen
Douilles spéciales pour injecteurs



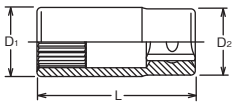


SP4305M-77 (mm)	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	◈ (pcs.)
27	1/2"	36.5	33	28	77	212	10

SP4305M.77-27
For fuel injection pump of BMW diesel cars.
Für die Einspritzpumpe von BMW-Dieselfahrzeugen.
Pour la pompe d'injection de carburant des voitures diesel BMW.

4133

Socket for Diesel engine injectors
Steckschlüssel für Diesel-Einspritzüsen
Douilles spéciales pour injecteurs

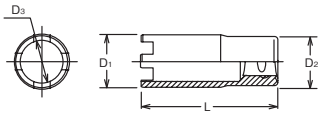


	⬚	D1 (mm)	D2 (mm)	L (mm)	⚖ (g)	◈ (pcs.)
4133	1/2"	23.9	23	55	86	10

4133
For fuel injection pump of M.B. diesel cars.
Für die Einspritzpumpe von M.B. Dieselfahrzeugen.
Pour la pompe d'injection de carburant des voitures diesel M.B.

4122-72

Diesel Injection Holder Nut Socket
Steckschlüssel für Einspritzdüsen
Douilles pour injecteur diesel

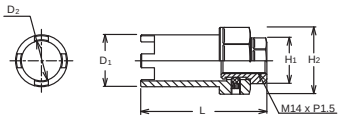


4122-72 (mm)	⬚	D1 (mm)	D2 (mm)	D3 (mm)	L (mm)	⚖ (g)	◈ (pcs.)
22	1/2"	28.5	27	22	72	150	10

4122.72-22
For M.B. Trucks, Holder nut on injection post.
Für M.B. Trucks, Haltemutter an der Einspritzsäule.
Pour les camions M.B., l'écrou de fixation se trouve sur le poteau d'injection.

SP4122-69

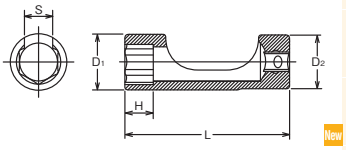
Diesel Injection Holder Nut Socket
Steckschlüssel für Einspritzdüsen
Douilles pour injecteur diesel



SP4122-69 (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	⚖ (g)	◈ (pcs.)
22	28.4	22	22	32	69	185	5

3300FN

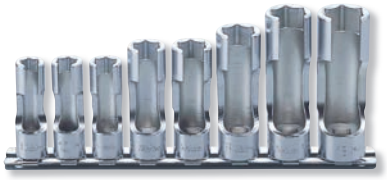
Flare Nut Sockets
Geschlitzte Steckschlüssel für Überwurfmuttern
Douilles à tuyauter



3300FN (mm)	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	S (mm)	⚖ (g)	◈ (pcs.)
8		14.5	17.3	6	53	6.4	38	10
9		16	17.3	7	53	6.8	41	10
10		16.8	17.2	7.5	53	7.2	42	10
11		18	17	8.5	53	8.3	42	10
12		20	18	9	53	8.8	50	10
13		21.1	20	9.5	62	9.4	66	10
14		22	20	10.5	62	10.5	66	10
15	3/8"	23	22	11	70	11.5	82	10
16		24	23	11.5	70	12	90	10
17		25	24	12.5	80	13	110	10
18		27	25	13	80	13.5	120	10
19		28	26	14	80	14.5	130	10
New **21**		30	27.5	15	80	15.5	170	10
22		32	29.5	16	80	16	180	10
24		34.5	31.5	17	80	17	200	10

RS3300FN/8

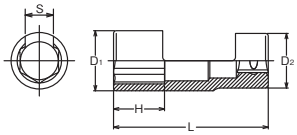
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail



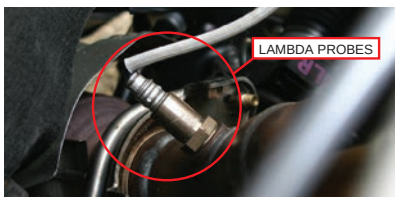
RS3300FN/8	8 Pieces Set/Rail 200mm	⚖ (g)
9, 10, 11, 13, 14, 16, 17, 19		600

SP4300M-85
SP4300M-110

Special socket for Lambda Probes
Spezialsteckschlüssel für Lambda Sonden
Douilles spéciales pour sonde Lambda



	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	S (mm)	⚖ (g)	◈ (pcs.)
SP4300M.85-22	1/2"	33	30	29	85	8	228	10
SP4300M.110-22		33	30	34	110	8	279	5



Socket for Lambda Probes
Open section allows for use with wire/connector.

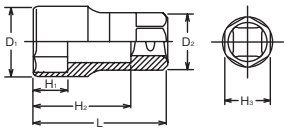
Steckschlüssel für Lambdasonden
Offener Abschnitt ermöglicht die Verwendung mit montiertem Draht/Stecker.

Prise pour sondes Lambda
La section ouverte permet l'utilisation d'un fil/connecteur.

4300H

Oil Pressure Switch Sockets
Steckschlüssel für Öldruckschalter
Douilles pour interrupteur, pression d'huile

4300H (mm)	☐	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	H3 (mm)	L (mm)	(g)	(pcs.)
24	1/2"	32.5	27	17	40	24	57	157	10
26		35	27	19	40	24	57	170	10
27		36.1	27	19.5	40	24	57	175	10

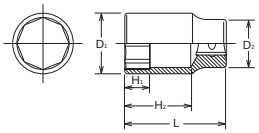


4300H series
Removes and installs oil presure switches
Demontage und Montage von Öldruckschaltern
Démonte et installe les interrupteurs de pression d'huile

4300H (8P)

8-point Sockets
8-kant Steckschlüssel
Douilles 8-pans

4300H (mm)	☐	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
27(8P)	1/2"	34	27	14	37	57	152	10



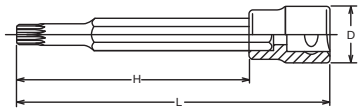
4300H(8P) series
Socket for switches, Mercedes Benz and MAN
Steckschlüssel für Schalter, Mercedes Benz und MAN
Prise pour interrupteurs, Mercedes Benz et MAN

4010M-100 / -120 (12P)

Bit Sockets for Double Inhex Screws (12-point)
Steckschlüssel für Innenzwölfkant-Schrauben
Douilles à 6-pans doubles

4010M-100 (mm)	☐	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8(12P)	1/2"	23	63.5	100	132	10
10(12P)		23	63.5	100	135	10

4010M-120 (mm)	☐	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8(12P)	1/2"	23	83.5	120	151	10
10(12P)		23	83.5	120	155	10



Cylinder head bolt for Toyota
4010M(12P) is double Hex Bit socket
XZN(Triple Square) bit socket has different shape.

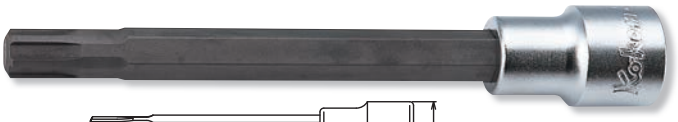
Zylinderkopfschraube für Toyota
4010M(12P) ist ein Doppel-Sechskant Einsatz
Ein XZN (Triple Square) Bit hat eine andere Form.

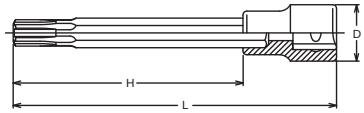
Boulon de culasse pour Toyota
4010M(12P) est une douille à double embout hexagonal.
La douille XZN (triple carré) a une forme différente.

ST4027-140

Head Bolt Bit Socket for VW/AUDI
Bit Steckschlüssel für Zylinderkopfschrauben VW/AUDI
Douilles tournevis spéciales pour boulons de culasse VW/AUDI

	☐	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
ST4027.140	1/2"	23	103.5	140	155	10





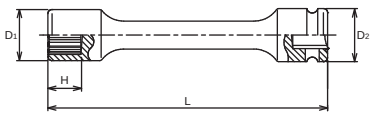
Head bolt Bit Socket for VW/AUDI
ST4027-140 can not substitute with any RIBE Socket.

Kopfschraube Bit-Einsatz für VW/AUDI
ST4027-140 kann nicht mit anderen RIBE-Einsätzen ersetzt werden.

Douille pour boulon à tête pour VW/AUDI
ST4027-140 ne peut être remplacé par aucune douille RIBE.

13145M-150 / -200 (12P)

Extra Long Sockets
Schaftsteckschlüssel
Douilles, série allongée



13145M-150 (12P) (mm)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	3/8"	15.8	19	10	150	120	1	*1
12		18.3	19	12	150	128	1	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269

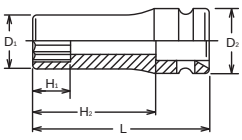
13145M.200 (12P) (mm)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
10	3/8"	15.8	19	10	200	151	1	*1
12		18.3	19	12	200	159	1	*1

16305M

12-point Sockets, deep
12-kant Steckschlüssel, lang
Douilles longues, 12-pans

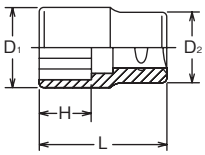
16305M (mm)	☐	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
14	3/4"	26.3	44	14	74	100	500	2	*1
17		30	44	17	74	100	544	2	*1
19		32.5	44	19	74	100	655	2	*1
22		36.3	44	22	74	100	700	2	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269



4109M

Double 4-point Sockets
Doppelvierkant Steckschlüssel
Douilles 4-pans, doubles

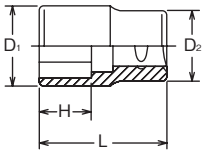


4109M (mm)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
14	1/2"	26.8	26	11	38	110	10
17		30	28	12.5	40	140	10
19		31.5	29	14	40	150	10
21.5		35	32	16	40	170	10
23		37	34	16.5	43	180	10

4109M series
For Lubrication service

4111M

6-point Sockets
6-kant Steckschlüssel
Douilles 6-pans

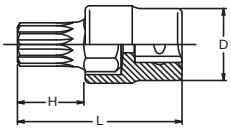


4111M (mm)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	1/2"	32	30	17	40	133	10

4111M
For Lubrication service

4020-60 (MH)

Bit Socket for Triple Square with hole
Steckschlüssel für XZN-Schrauben mit Loch
Douilles tournevis avec trou pour empreinte XZN

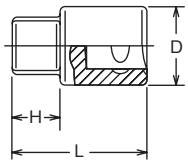


4020-60 (XZN)	☐	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
MH16	1/2"	24	20	60	135	10

4020-60-MH16
Specially designed for oil drain plug on gearbox of AUDI, VW, PORSCHE.

3110M / 3110A

4-point Male Sockets
Öldienst-Steckschlüssel
Douilles mâles 4-pans



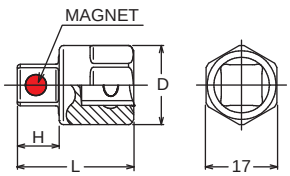
3110M (mm)	☐	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
6	3/8"	18	10	28	30	10
8		18	10	28	30	10
10		18	10	28	33	10
12		18	10	28	37	10

3110A (inch)	☐	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
5/16	3/8"	18	10	28	30	10
3/8		18	10	28	33	10
1/2		18	10	28	37	10

3110MGH

4-point Male Sockets
Öldienst-Steckschlüssel
Douilles mâles 4-pans

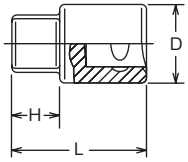
Magnet



3110MGH (mm)	☐	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
New **8**	3/8"	19	10	28	31	10
New **10**		19	10	28	33	10

4110M / 4110A

4-point Male Sockets
Öldienst-Steckschlüssel, Vierkant
Douilles mâles 4-pans



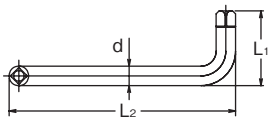
4110M (mm)	☐	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
8	1/2"	24	10	32	57	10
10		24	10	32	62	10
10.5		24	10	32	64	10
12		24	10	32	64	10
13		24	10	32	66	10
13.5		24	10	32	67	10
New **14**		24.2	10	32	68	10
19		25	15	37	101	10
20		26	15	37	114	10

4110A (inch)	☐	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
3/8	1/2"	24	10	32	62	10
1/2		24	10	32	64	10

158

For Lubrication Service
Schmierdienst-Werkzeuge
Service lubrification-vidange

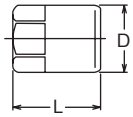
158	L1 (mm)	L2 (mm)	d (mm)	(g)	(pce.)
8S×10S	63	230	13	319	1



3012M-25

Inhex Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux

3012M-25		D (mm)	L (mm)	(g)	(pcs.)
14	3/8"	19	25	30	10
17		19	25	30	10



4202

Drain Plug Keys Set
Öldienst-Satz
Jeu d'embouts pour le montage et démontage des bouchons de vidange

4202 — 7 Pieces Set/=426g
METAL CASE:W190×H59×T45mm

Sockets

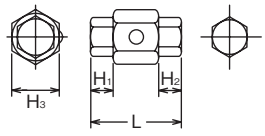
106 Drain Plug Keys
8S×10S, 8H×3/8H, 10H×11H, 12H×13H, 14H×17H, 19H

1/2" **4102** Drain Plug Key Adaptor

106

4-point / 6-point Male bits
Innenvierkant / Innensechskantsteckschlüssel
Embouts mâles 4-pans / 6-pans

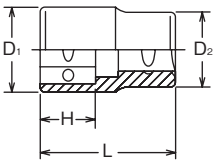
106	H1 (mm)	H2 (mm)	H3 (mm)	L (mm)	(g)	(pcs.)
8S×10S	8	8	17	32	40	10
8H×3/8H	8	8	17	32	38	10
10H×11H	8	8	17	32	42	10
12H×13H	8	8	17	32	47	10
14H×17H	8	8	17	32	55	10
19H	–	8	17	24	49	10



4102

Adaptor for 106 Drain plug key
Halter für Öldienst-Einsätze 106
Porte embouts pour 106

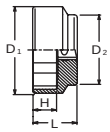
4102		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
17	1/2"	25	24	16	40	82	10



3400M-24

Extra short 6-point Sockets for Oil-Filter Service
Extra kurze Steckschlüssel für Ölfilter
Douille extra courte pour filtre à huile

3400M-24		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
27		36.5	21.5	13.5	24	76	10
30	3/8"	40	25	13.5	24	91	10
32		42.8	28	13.5	24	108	10
36		47.2	32	13.5	24	135	10



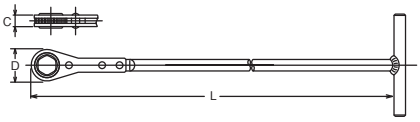
1206

Push and Pull-Ratchet
Hub Knarre
Clé à cliquet de levage

1206	3 Pieces Set/⚖=320g
CARDBOARD BOX	
Sockets	Accessory
150.14H Sockets 12, 14	**154K-14**

154K

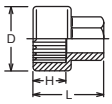
Push and Pull-Ratchets
Hub Knarre
Clé à cliquet de levage



154K (mm)	L (mm)	D (mm)	C (mm)	⚖ (g)	(pce.)
14	480	24.6	9	280	1

150-14H

Socket, For 154K
Einsätze für 154K
Douilles pour 154K



150-14H (mm)	D (mm)	H (mm)	L (mm)	⚖ (g)	◇ (pcs.)
10	16	5	17	16	10
12	17.3	5	18	14	10
14	19.2	7	21	17	10

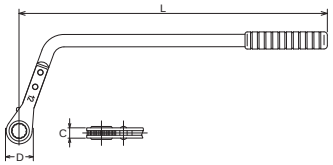
1210E

Door Hinge Wrench Set
Montagesatz für Kfz-Türscharniere
Jeux d'outils spéciaux pour charnières de portes

1210E	11 Pieces Set/⚖=460g
PLASTIC BAG	
Sockets	Accessory
179B.12H Sockets 10, 12, 13	**145KD-12**
179B.12H XZN Bits M8, M10, M12	
179B.12H TORX® Bits T40, T45, T50	
179B.12H Hex Bit 8	

145KD

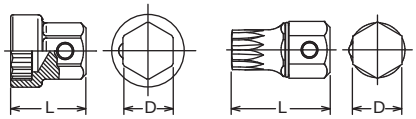
Special ratchet for 179B-12H insert bits
Spezialknarre zur Aufnahme von 179B-12H Einsatzbits
Cliquet spécial pour recevoir les embouts d'insertion 179B-12H



145KD	D (mm)	C (mm)	L (mm)	⚖ (g)	(pce.)
12	24	9	280	274	1

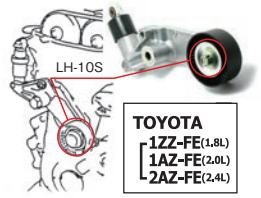
179B-12H

Insert bit for the 145KD ratchet
Einsatz-Bit für die Knarre 145KD
Embout d'insertion pour cliquet 145KD



179B.12H	Type	D (mm)	L (mm)	⚖ (g)	(pce.)
10	⬡	12	18	15	10
12		12	18	17	10
13		12	18	18	10
7H	⬢	12	24	17	10
8H		12	24	18	10
M6	✱	12	24	14	10
M8		12	24	15	10
M10		12	24	17	10
M12		12	24	20	10
T40	✶	12	24	14	10
T45		12	24	15	10
T50		12	24	16	10

145LH3/8F (LH-S)		L (mm)	D (mm)	C (mm)	(g)	(pcs.)
10S	3/8"	100	25	15.5	90	10

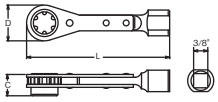


Belt Tension Pulley Wrench
For LH-10S bolt on TOYOTA engines 1ZZ (1.8L), 1AZ (2.0L) and 2AZ (2.4L), belt tension pulley.

This item has less strength due to the special design.

145LH3/8F

Belt Tension Pulley Wrench
Knarren-Ringschlüssel für Riemen-Spannrolle
Clé multicran à cliquet pour galet-tendeur



4282

1/2" Sq.Dr. Generator Service Set
1/2" Lichtmaschinen-Service Satz
Jeu 1/2" pour l'entretien des générateurs éléctriques

4282	4 Pieces Set/=449g
PLASTIC BAG	
Sockets	
1/2"	**4020.100-M10** **4020.140-M10**
1/2"	**4025.100R-T50**
	185

Generator Service Set
For removing and installing belt pulley at the generator.

Generator-Service-Set
Zum Aus- und Einbau der Riemenscheibe am Generator.

Kit d'entretien du générateur
Pour enlever et installer la poulie de la courroie sur le générateur.

3247

Bit Socket Set
Schraubendreher-Steckschlüssel Satz
Jeu de douilles de vissage

3247	4 Pieces Set/=385g
PLASTIC BAG	
Sockets	
3/8"	**3025.160** Tamper-resistant TORX® Bit Sockets T27H, T30H, T40H, T50H

For Air Bag
For air-bag unit in hard to reach places in or around the steering wheel.

Für Airbag-Einheiten an schwer zugänglichen Stellen im oder um das Lenkrad.

Pour l'unité airbag dans les endroits difficiles d'accès à l'intérieur ou autour du volant.

Tamper resistant TORX® Bits have less strength due to special design. Make sure to use it correctly.

Die manipulationssicheren TORX®-Bits haben aufgrund ihres speziellen Designs eine geringere Festigkeit. Achten Sie darauf, sie richtig zu verwenden.

Les embouts TORX®, à l'abri de manipulations, sont moins résistants en raison de leur conception spéciale. Veuillez les utiliser correctement.

3300M/4-L120

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

3300M/4-L120	4 Pieces Set/=477g
PLASTIC BAG	
Sockets	
3/8"	**3300M(L120)** 6-pt. Extra Deep Sockets 8, 10, 12, 14

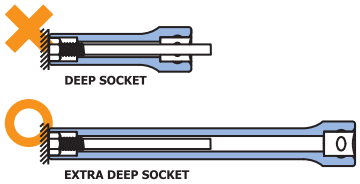
Extra Deep Socket
Extra Deep socket can be used to fasten or loosen longer bolts such as Bumper bolt and Door Hinge etc.

Die extra tiefe Stecknuss kann zum Befestigen oder Lösen von längeren Schrauben wie Stoßstangenbolzen und Türscharnieren usw. verwendet werden.

La douille extra profonde peut être utilisée pour fixer ou desserrer des boulons plus longs tels que les boulons de pare-chocs et les charnières de porte, etc.

BUMPER BOLT

DOOR HINGE



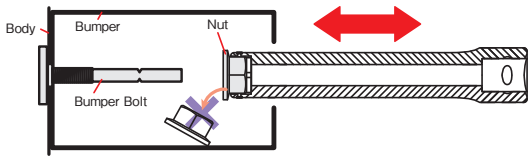
3350M/2-L120

Socket Set
Steckschlüssel Satz
Jeu de clés à douille

3350M/2-L120	2 Pieces Set/=230g
PLASTIC BAG	
Sockets	
3/8"	**3350M(L120)** Nut Grip Extra Deep Sockets 10, 12

NUT GRIP®

Nut Grip Extra Deep Socket



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TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

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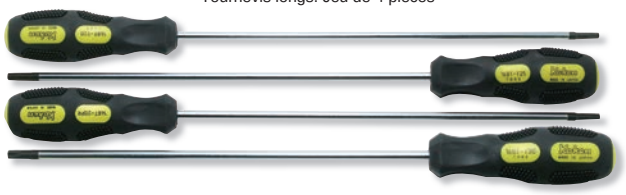
LHSTIX® ist ein registriertes Markenzeichen der Firma **OSG SYSTEM PRODUCTS CO., LTD.**
LHSTIX® est une marque déposée de **OSG SYSTEM PRODUCTS CO., LTD.**

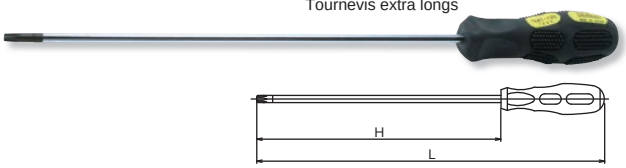
1212

Long shank Screwdriver 4 pieces set
Extra lange Schraubendreher 4teiliger Satz
Tournevis longs. Jeu de 4 pièces



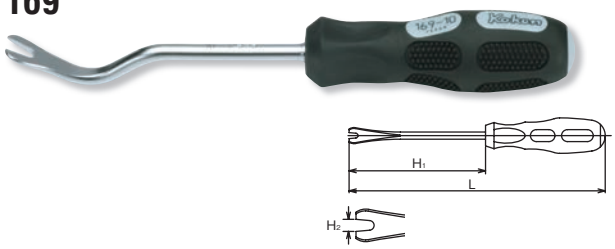
168T (250)

Extra long shank Screwdrivers
Extra lange Schraubendreher
Tournevis extra longs



169/2
169

Door Trim Pad Tool, 2 pieces set
Demontagehebel für Türclips, Satz 2-teiling
Jeu, levier pour le démontage des garnitures de portes

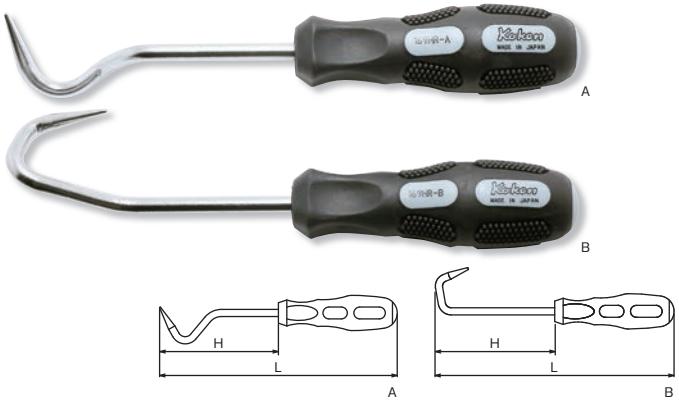


169WM

Window Molding Remover
Zum Lösen von Fenstergummis
Pour le démontage des joints de vitres

169HR/2
169HR

Hose Remover, 2 pieces set
Universalhaken, 2teiliger Satz
Pour le démontage des tuyaux. Jeu de 2 pièces



169BP

For Battery Screws
Für Batterie-Verschlussstopfen
Pour vis de batterie

1212 — 4 Pieces Set/⚖=380g

PLASTIC BAG

Screwdrivers
168T(250) 20IPR
168T(250) T20, T25, T30

Long shank Screwdriver
Schraubendreher mit langem Schaft
Tournevis à tige longue

168T(250) (IPR)	H (mm)	L (mm)	⚖ (g)	(pce.)
20IPR	250	350	85	1

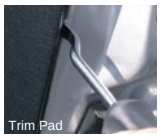
168T(250) (T)	H (mm)	L (mm)	⚖ (g)	(pce.)
T20	250	350	85	1
T25	250	350	85	1
T30	250	360	120	1

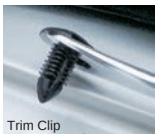
169/2 — 2 Pieces Set/⚖=200g

PLASTIC BAG

Clip Handles
169 6, 10

169	H1 (mm)	H2 (mm)	L (mm)	⚖ (g)	(pcs.)
6	115	5	215	80	2
10	120	9	230	110	2


Trim Pad


Trim Clip

Handle for Door trim pads
Handgriff für Türverkleidungen
Poignée pour garnitures de porte

	H (mm)	L (mm)	⚖ (g)	(pcs.)
169WM	100	210	90	2

Window molding remover
Fensterleistenentferner
Découpeur des joints fenêtres

169HR/2 — 2 Pieces Set/⚖=180g

PLASTIC BAG

Hose Remover
169HR A, B

169HR	H (mm)	L (mm)	⚖ (g)	(pcs.)
A	100	200	75	2
B	100	200	90	2

Hose remover
Schlauchentferner
Démonte-tuyau

169BP	T×W (mm)	H (mm)	L (mm)	⚖ (g)	(pcs.)
1.8×13	1.8×13	50	150	60	2

For Battery screw

Quick fastener
Schnellverschluss
Attache rapide

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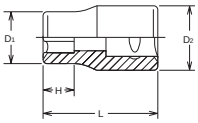
TORX® est une marque déposée de **CAMCAR Innovations.**

4425-N

TORX® Sockets
TORX® Steckschlüssel
Douilles TORX®

4425 (E)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
E10N	1/2"	13.2	21	8.2	36	47	10
E12N		14.6	21	9.3	37	48	10
E14N		16.5	21	10.6	37	50	10
E16N		19	22	11.8	37	60	10
E18N		20.3	22	13	37	60	10
E20N		22.8	22	14.4	37	65	10



RS4425/6-N

Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS4425/6-N	6 Pieces Set/Rail 200mm	(g)
E10N, E12N, E14N, E16N, E18N, E20N		370

Engine type: QR/MR
Flywheel bolt for NISSAN: E20

Motortyp: QR/MR
Schwungradschraube für NISSAN: E20

Type de moteur : QR/MR
Vis de volant moteur pour NISSAN: E20

13145A-150
14145A-150

Extra Long Socket
Schaftsteckschlüssel
Douilles, série allongée

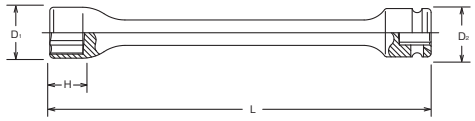
thin

13145A.150 (inch)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
9/16(D20)	3/8"	20	19	13	150	130	5	*1

*1 C-Ring=C31, Pin/O-Ring=A31/B31 ➡P268-269

14145A.150 (inch)	☐	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
9/16(D20)	1/2"	20	25	13	150	200	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➡P268-269
For Land Rover Prop Shaft

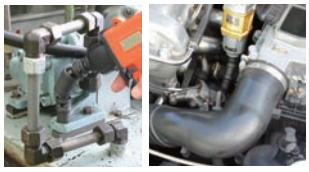


13772
14772

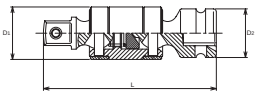
Universal Double Joint
Doppelgelenk-Einsatz
Joint articulé double

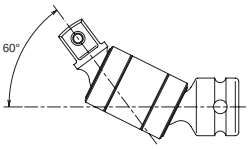
	☐	D1 (mm)	D2 (mm)	L (mm)	(g)	(pcs.)	
13772-B	3/8"	22	19	75	120	5	*1
13772-P		22	19	75	120	5	*1
14772-B	1/2"	27	25	90	230	1	*2
14772-P		27	25	90	230	1	*2

*1 C-Ring=C31, Pin/O-Ring=A31/B31
*2 C-Ring=C41, Pin/O-Ring=A41/B41 ➡P268-269



UNIVERSAL DOUBLE JOINT





13772 and 14772 have less load capacity than standard, In the interest of your safety always use properly.

Die Doppelgelenke 13772 und 14772 haben eine geringere Belastbarkeit als das Standardgelenk. Im Interesse Ihrer Sicherheit sollten Sie sie immer richtig verwenden.

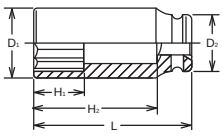
Les doubles articulations 13772 et 14772 ont une capacité de charge inférieure à celle de l'articulation standard.
Dans l'intérêt de votre sécurité, veuillez les utiliser correctement.

14305M

12-point Deep Sockets
12-kant Steckschlüssel,lang
Douilles longues 12-pans

14305M (mm)	☐	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
30	1/2"	42	30	30	63	85	457	10	*2
32		44.5	30	32	63	85	542	10	*2
36		49.5	30	36	61	85	635	2	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➡P268-269

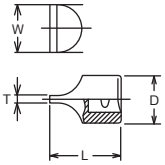


4101
6101

Sockets for Slotted Heads
Steckschlüssel für Schlitzschrauben
Douilles tournevis pour vis à fente

4101	☐	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
1	1/2"	2.7×18.6	22	40	59	10
2		3.7×24	24	40	79	10
3		3.7×30	30	40	128	10

	☐	T×W (mm)	D (mm)	L (mm)	(g)	(pcs.)
6101	3/4"	6.4×33.5	35	50	205	5



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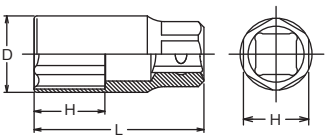
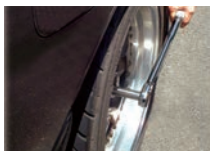
4300M (L60)

Wheel Nut Sockets
Radmuttern Steckschlüssel
Douilles pour écrous de roue



4300M(L60) (mm)	⍁	D (mm)	H (mm)	L (mm)	H (mm)	⚖ (g)	◈ (pcs.)
17	1/2"	23.8	25	60	21	98	10
19		25.8	25	60	21	100	10
21		27.6	25	60	21	102	10

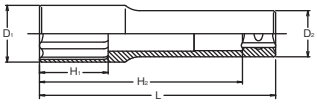


Wheel Nut Sockets

Please note that thin walled design is only for wheel nut work and Torque rating is limited.

4300M (L110)

Wheel Nut Sockets (Long)
Radmuttern-Steckschlüssel, extra lang
Douilles extra longues pour écrous de roue

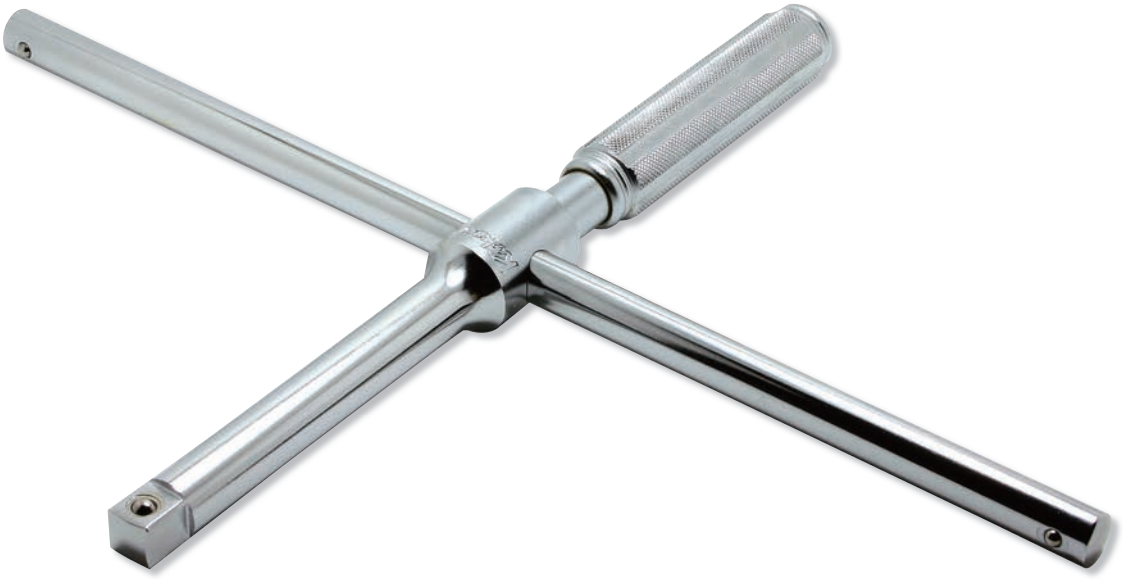


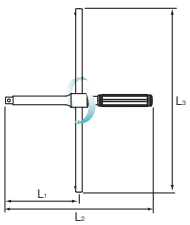
4300M(L110) (mm)	⍁	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	⚖ (g)	◈ (pcs.)
17	1/2"	23.8	22	32	93	110	155	5
19		25.8	22	32	93	110	170	5
21		27.6	22	32	93	110	165	5
New 22		29.1	22	32	93	110	165	5

Please note that thin walled design is only for wheel nut work and Torque rating is limited.

4711X

Spinning cross wrench
T-Griff für die Radmuttermontage
Poignée coulissante pour montage des écrous à roue





OVAL Shank

FREE-TURN CROSS WRENCH

	⍁	L1 (mm)	L2 (mm)	L3 (mm)	⚖ (g)	(pce.)
4711X	1/2"	140	280	350	945	1

14201M — 3 Pieces Set/⚖=690g

CARDBOARD BOX:W125×H95×T34mm

Sockets

14145PM.110 Impact Wheel Nut Sockets
17, 19, 21

14145PM-110 (mm)	⊠	D1 (mm)	D2 (mm)	H (mm)	Shaft Colour	⚖ (g)	◇ (pcs.)	
17	1/2"	23.8	25.2	21		208	5	*1
19		25.8	27.2	23		219	5	*1
21		27.6	29	25		226	5	*1
22		29	30.5	26		238	5	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➡P268-269

PLASTIC PROTECTOR
KUNSTSTOFF HÜLSE
PROTECTION EN PLASTIQUE

A detachable plastic protector is fitted to the socket to prevent damage to the wheel when working in tight areas.
The socket size and Ko-ken mark printed on the shaft makes it easier to see if the socket is still rotating or stopped.

Zum Schutz empfindlicher Leichtmetallfelgen ist eine drehbare und abnehmbare Kunststoff Hülse an dem Steckschlüssel montiert. Die aufgedruckten Markierungen am Werkzeugschaft zeigen außerdem ob das Werkzeug steht oder rotiert.

La douille est pourvue d'un insert en plastique détachable. Il sert à prévenir tout dommage aux jantes lors de l'utilisation des douilles.
Le marquage sur la tige rend l'identification des douilles très facile.

198-17	Spare Plastic Protector for 14145PM.110-17 : **10 pcs.**
198-19	Spare Plastic Protector for 14145PM.110-19 : **10 pcs.** 280PM-19
198-21	Spare Plastic Protector for 14145PM.110-21 : **10 pcs.** 280PM-21
198-22	Spare Plastic Protector for 14145PM.110-22 : **10 pcs.**

⚠ Please note that thin walled design is only for wheel nut work and Torque rating is limited.

14145M-110 (mm)	⊠	D1 (mm)	D2 (mm)	H (mm)	⚖ (g)	◇ (pcs.)
17MB	1/2"	25.7	27.2	11.5	256	5

Mercedes Benz Wheel Bolt
Mercedes Benz Radbolzen
Boulon de roue Mercedes Benz

New P14145M/5 — 5 Pieces Set/⚖=1530g

CARDBOARD BOX:W230×H200×T70mm

Sockets

14145PM.110 Impact Wheel Nut Socket
17, 19, 21, 22

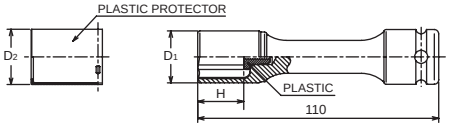
14145M.110 Impact Wheel Bolt Socket
17MB

WHEEL NUT SOCKET

14201M
14145PM-110

Wheel Nut Sockets Set
Radmuttern Steckschlüssel im Satz
Douilles pour écrous de roue

Wheel Nut Sockets
Radmuttern Steckschlüssel
Douilles pour écrous de roue



EXTRA THIN WALL
EXTRA DÜNNWANDIG
PAROIS EXTRA MINCES

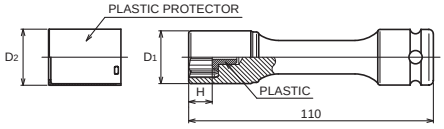
Special design for wheel nut work.
-110mm length gives socket extra reach for nuts recessed deep inside the wheel and ideal for Aluminum wheel nuts where access to nut is very tight.
-Blue(17mm), Red(19mm), Yellow(21mm) and White(22mm) colour coded shafts make size identification easy.
-Plastic insert helps prevent damaged to wheel nut.

Speziell entwickelt für die Montage von Radmuttern
- Die Länge von 110mm erlaubt es mit diesem Steckschlüssel auch extra tiefe Radmuttern zu erreichen.
- Dieser Steckschlüssel ist ideal für Radmuttern von Aluminiumfelgen, da gerade dort der Platz zwischen Schraube und Felge äußerst gering ist.
- Durch die farbige Markierung; blau(17mm), Rot(19mm), Gelb(21mm) und Weiß(22mm) wird die Erkennung des passenden Werkzeugs erleichtert.
- Der Plastikanschlag schont die Radmutter vor Beschädigungen.

Douilles spécialement conçues pour les écrous de roue :
- La longueur de 110mm permet d'atteindre les écrous enfoncés profondément.
- Idéales pour les écrous des jantes en aluminium où le passage est souvent étroit
- Les corps de couleurs différentes facilitent l'identification : bleu (17mm), rouge (19mm), jaune (21mm) et blanc (22mm)
- Les inserts en plastique évitent de détériorer les jantes.

14145M-110MB

Mercedes Benz Wheel Bolt
Mercedes Benz Radbolzen
Boulon de roue Mercedes Benz



P14145M/5

5 pieces Wheel Nut Sockets Set in Plastic case
Radmuttern-Steckschlüssel-Satz 5teilig im Kunststoffkoffer
Jeu de 5 douilles pour écrous de roue dans un coffret en plastique

280PM

Adaptor Socket for Low Profile Wheel Nut
Adapter Steckschlüssel für kurze Radmuttern
Adapteur pour des écrous de roue courts

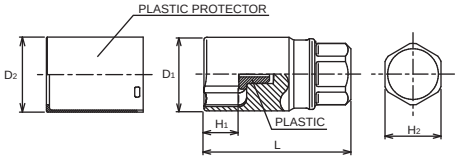
thin

ADAPTOR SOCKET

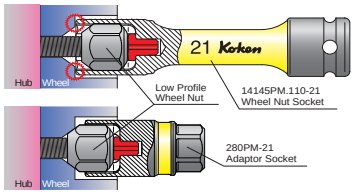
280PM (mm)	D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	Shaft Colour	(g)	(pcs.)
19	25.8	27.2	13	19	52		150	5
21	27.6	29	13	21	55		180	5

Designed for Low Profile Wheel nut socket.
Detachable plastic protector is fitted to the adaptor to prevent damage to painted or surface treatment area on the wheel.
The Plastic insert locate inside of the adaptor prevents damage to wheel nut.
Colour coded band make size identification easy.

Die abnehmbare Kunststoffhülse schützt die Felge vor Kratzern oder Schrammen an der empfindlichen Oberfläche.
Der Kunststoffanschlag im inneren des Werkzeugs schützt zusätzlich die Radmutter.
Die Farbmarkierung macht die Identifikation des Werkzeugs einfach.

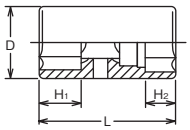


La protection plastifiée amovible, protège la jante et évite des endommagements sur des surfaces délicates.
Le plastic inséré à l'intérieur de l'outil protège également l' écrou de roue.
L'identification de l'outil est simplifiée par le marquage en couleur.



14118M

Wheel Nut Sockets, Double Ended
Radmuttern Steckschlüssel, doppelseitig
Douilles pour écrous de roue á ouvertures doubles



14118M (mm)		D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
17×19	1/2"	28	15.5	13	48	150	10
19×21		31	17.5	13	57	177	10
19×22		31	17.5	15	57	187	10

14218M

Wheel Nut Sockets, Double Ended with Extension Bar
Radmuttern Steckschlüssel, doppelseitig, mit Verlängerung
Douille pour écrous de roue á ouvertures double plus rallonge

14218M	2 Pieces Set/=360g
CARDBOARD BOX	
Sockets	Accessory
1/2" **14118PM** 19×21	**14760ST-B**

Interchangeable Wheel Nut Socket of 19mm and 21mm.

Please note that thin walled design is only for wheel nut work and Torque rating is limited.
Socket is not completely locked with the Ball-type connection.
Please beware of accidental socket release.

14219M

Special wheel nut loosening tool, set of 3
Spezial Radmuttern Lösewerkzeug, Satz 3teilig
Outil spécial de desserrage d'écrous de roue, jeu de 3

New 14219M — 3 Pieces Set/=620g

CARDBOARD BOX

Sockets	Accessory
14118M 18.5×19.5SV, 20.5×21.5SV	**14760-100B**

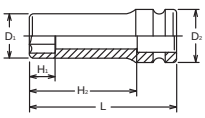
For loosening the chrome-plated or deformed original wheel nut from FORD, GM and Chrysler. The chrome-plated cover of the wheel nut can become deformed when trying to loosen it, so that a 19 mm loosening spanner can no longer be fitted and removed accurately. The 18.5 and 19.5 mm release tool can be applied to chipped chrome covers and damaged cap nuts in such a way that the damaged wheel nut can be safely released. The 1/2" impact extension enables the use of an impact wrench.

Zum Lösen der verchromten oder deformierten Original-Radmutter von FORD, GM und Chrysler. Der verchromte Deckel der Radmutter kann sich beim Lösen verformen, so dass ein 19-mm-Löseschlüssel nicht mehr exakt angesetzt und entfernt werden kann. Das 18,5- und 19,5-mm-Lösewerkzeug kann bei abgeplatzten Chromabdeckungen und beschädigten Hutmuttern so angesetzt werden, dass die beschädigte Radmutter sicher gelöst werden kann. Die 1/2"-Schlagverlängerung ermöglicht die Verwendung eines Schlagschraubers.

Pour desserrer l'écrou de roue d'origine chromé ou déformé de FORD, GM et Chrysler. Le couvercle chromé de l'écrou de roue peut se déformer lorsqu'on essaie de le desserrer, de sorte qu'une clé de 19 mm ne peut plus être montée et retirée avec précision. L'outil de déblocage de 18,5 et 19,5 mm peut être appliqué aux couvercles chromés ébréchés et aux écrous borgnes endommagés de manière à ce que l'écrou de roue endommagé puisse être débloqué en toute sécurité. La rallonge à percussion 1/2" permet d'utiliser une clé à percussion.

AN14300

Impact Sockets, Aluminium alloyed, for aluminium wheel nuts
Aluminium-legierte Impact Steckschlüssel für Aluminium Radmuttern
Douilles Impact en aluminium pour écrous de roue aluminium



AN14300 (mm)		D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)	
17	1/2"	25.7	30	17	62	80	85	10	*1
19		28.2	30	19	61	80	89	10	*1
21		30.7	30	21	61	80	93	10	*1

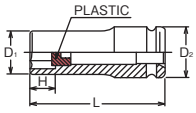
*1 C-Ring=C42, Pin/O-Ring=A42/B42 ➡P268-269

14113J

Impact Sockets with Plastic Stops for Hub Cap Screws
Impact Steckschlüssel mit Plastik-Anschlag für Zier-Radmuttern
Douilles Impact avec arrêt en plastique, pour écrous de roue décoratifs

14113J (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	1/2"	25.7	30	14	80	251	10	*1
19		28.2	30	16	80	286	10	*1
21		30.7	30	20	80	309	10	*1

*1 C-Ring=C42, Pin/O-Ring=A42/B42 ➡P268-269

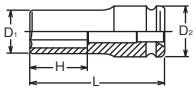


14113M

For Hub Cap Screws
Für Zier-Radmuttern
Pour écrous de roue décoratifs

14113M (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	1/2"	25.7	30	34	80	230	10	*1
19		28.2	30	38	80	262	10	*1
21		30.7	30	42	80	285	10	*1

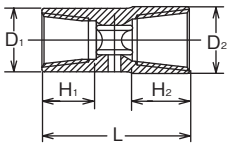
*1 C-Ring=C42, Pin/O-Ring=A42/B42 ➡P268-269



14124

Lock Nut Busters (Double Ended)
Felgenschloss-Knacker, doppelseitig
Douilles taraudées à ouvertures doubles pour dévisser les écrous ou goujons de roue antivols.

14124 (mm)		D1 (mm)	D2 (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
21×24.5	1/2"	28	29.5	24	25	65	157	10
26×27.5		31.5	35	24.5	24.5	65	197	10



14124/3

Lock Nut Busters (Double Ended) in Set
Felgenschloss-Knacker, doppelseitig im Satz
Jeu de douilles taraudées à ouvertures doubles pour dévisser les écrous ou goujons de roue antivols.

14124/3 — 3 Pieces Set/⚖=580g

CARDBOARD BOX:W125×H91×T43mm

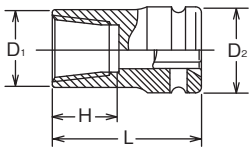
Sockets	Accessory
14124 21×24.5 26×27.5	**14760-75B**

14124

Lock Nut Busters
Felgenschloss-Knacker
Douilles taraudées pour dévisser les écrous ou goujons de roue antivols.

14124 (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	1/2"	20.5	25	15	50	83	10	*1
18		21	25	15	50	83	10	*1
18.5		23	25	15	50	95	10	*1
19		25	30	20.5	50	140	10	*2
21		28	30	20.5	50	153	10	*2
24.5		29.5	30	23	50	138	10	*2
26		31.5	30	23	50	147	10	*2
27.5		35	30	23	50	181	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➡P268-269



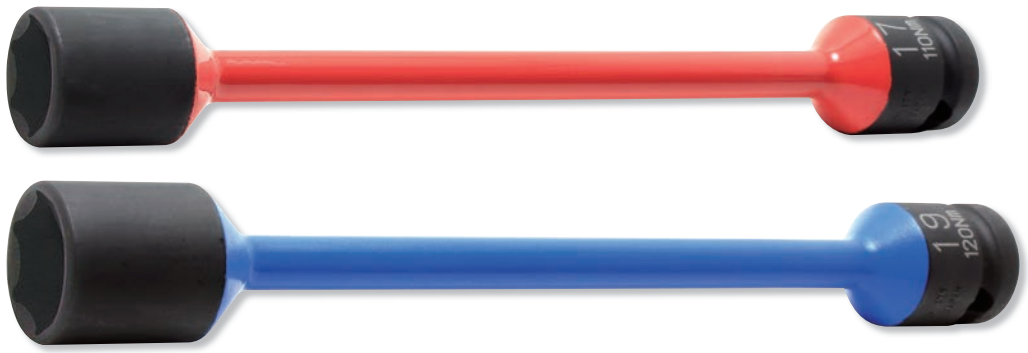
RS14124/7

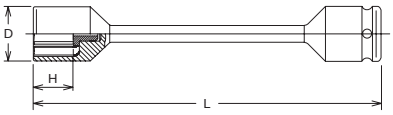
Socket Set on Rail
Steckschlüsselsatz auf Schiene
Jeu de douilles sur rail

RS14124/7	7 Pieces Set/Rail 250mm	(g)
	18, 18.5, 19, 21, 24.5, 26, 27.5	980

14101MP

Torsion Bars (for tightening only)
Torsionsstäbe (nur zum Anziehen)
Barres de torsion (pour serrage seulement)





As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Da die Drehmomentwerte von Art und Leistung des verwendeten Schlagschraubers abhängen, empfehlen wir die Kontrolle der Kombination Schlagschrauber/ Torsionsstab mittels eines Drehmomentschlüssels.

Etant donné que le couple peut varier selon modèle, la capacité ou l'état de la clé à choc, le contrôle de la combinaison clé à choc/barre par clé dynamométrique est indispensable.

14101MP (mm×Nm)	⊿	D (mm)	H (mm)	L (mm)	Shaft Colour	(pcs.)	
17× 95Nm	1/2"	25	16	214		10	*1
17×110Nm		25	16	204		10	*1
17×120Nm		25	16	203		10	*1
19× 90Nm		27	18	259		10	*1
19×100Nm		27	18	233		10	*1
19×120Nm		27	18	204		10	*1
19×140Nm		27	18	199		10	*1
21×100Nm		29	22	216		10	*1
21×120Nm		29	22	205		10	*1
22×150Nm		30	22	220		10	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➡P268-269

14101MP-M/8

Metal-Wall-Hanger for Workshops
Werkstatt-Wandhänger (Metall)
Support métallique d'atelier

14101MP-M/8	8 Pieces Set/⚠=2,300g
HANGER	
Torsion Bar	
14101MP Impact Torsion Bars 17×95Nm, 17×110Nm, 17×120Nm, 19×90Nm, 19×100Nm, 19×120Nm, 19×140Nm, 21×100Nm	

Torque table included in delivery.

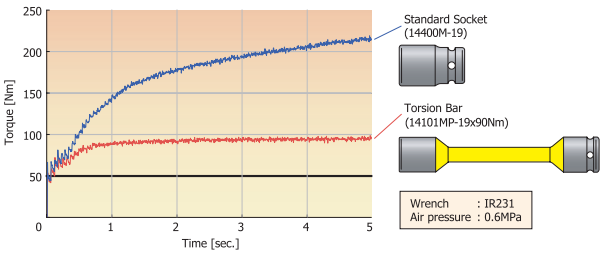
Drehmomenttabelle wird mitgeliefert.

Tableau des couples de serrage inclus dans la livraison.

Torsion Bars
- Designed for tightening wheel nuts with an impact wrench.
- Prevent the excessive torque road.
- Colour coded shafts make size identification easy.

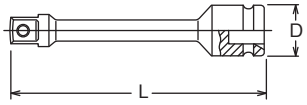
Torsionsstäbe
- Zur Montage von Radmuttern mit dem Schlagschrauber.
- Schützt die Radmutter vor zu hohen Anzugsmomenten.
- Die Farbmarkierung erleichtert das Erkennen des passenden Werkzeugs.

Barres de torsion
- Pour le montage d'écrous de roue avec visseuse à chocs.
- Protège l'écroue d'un serrage à couple excessif.
- La colorisation des barres facilite l'identification des tailles.



14112-P

Torsion Extension Bars (for tightening only)
Torsionsstab-Verlängerungen (nur zum Anziehen)
Barres de torsion (pour serrage seulement)

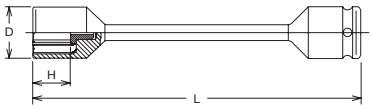


14112-P (Nm)		D (mm)	L (mm)	(g)	(pce.)	
90Nm	1/2"	25	208	206	1	*1
95Nm		25	202	200	1	*1
100Nm		25	196	198	1	*1
110Nm		25	213	220	1	*1
120Nm		25	201	219	1	*1
130Nm		25	205	225	1	*1
140Nm		25	205	230	1	*1
150Nm		25	195	250	1	*1
170Nm		25	195	257	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➡P268-269

14101M

Torsion Bars (for tightening only)
Torsionsstäbe (nur zum Anziehen)
Barres de torsion (pour serrage seulement)

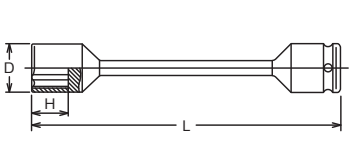


14101M (mm×Nm)		D (mm)	H (mm)	L (mm)	(g)	(pce.)	
17× 60Nm	1/2"	25	16	216	227	1	*1
17× 75Nm		25	16	228	240	1	*1
17× 95Nm		25	16	214	256	1	*1
17×110Nm		25	16	204	285	1	*1
17×120Nm		25	16	203	284	1	*1
New 17×140Nm		25	16	200	290	1	*1
19× 60Nm		27	18	219	237	1	*1
19× 90Nm		27	18	259	275	1	*1
19×110Nm		27	18	214	278	1	*1
19×120Nm		27	18	204	297	1	*1
19×135Nm		27	18	204	339	1	*1
19×170Nm		27	18	193	332	1	*1
21×100Nm		29	22	216	288	1	*1
21×120Nm		29	22	205	288	1	*1
22×160Nm		30	22	210	385	1	*1

*1 C-Ring=C41, Pin/O-Ring=A41/B41 ➡P268-269

16101M
18101M

Torsion Bars (for tightening only)
Torsionsstäbe (nur zum Anziehen)
Barres de torsion (pour serrage seulement)



16101M (mm×Nm)		D (mm)	H (mm)	L (mm)	(g)	(pce.)	
24×180Nm	3/4"	38.8	24	235	850	1	*1
27×450Nm		42.5	27	280	1236	1	*1
32×600Nm		48.8	32	280	1370	1	*1
33×600Nm		50	33	280	1370	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

As the torque could vary with the type and the condition of the impact wrench, we strongly recommend the control with a torque wrench.

Da die Drehmomentwerte von Art und Leistung des verwendeten Schlagschraubers abhängen, empfehlen wir die Kontrolle der Kombination Schlagschrauber/ Torsionsstab mittels eines Drehmomentschlüssels.

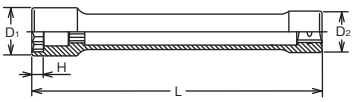
Etant donné que le couple peut varier selon modèle, la capacité ou l'état de la clé à choc, le contrôle de la combinaison clé à choc/barre par clé dynamométrique est indispensable.

18101M (mm×Nm)		D (mm)	H (mm)	L (mm)	(g)	(pce.)	
24×350Nm	1"	41.5	24	300	1380	1	*1
27×350Nm		45.3	27	300	1401	1	*1
27×450Nm		45.3	27	300	1579	1	*1
30×500Nm		49	30	300	1563	1	*1
32×450Nm		51.5	32	300	1600	1	*1
32×550Nm		51.5	32	300	1602	1	*1
32×600Nm		51.5	32	300	1602	1	*1
New 32×650Nm		51.5	32	300	1620	1	*1
32×700Nm		51.5	32	300	1630	1	*1
33×550Nm		52.8	33	300	1638	1	*1
33×600Nm		52.8	33	300	1638	1	*1
New 33×650Nm		52.8	33	300	1650	1	*1
36×600Nm		56.5	36	300	1718	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

6102M-400
8102M-400

Extra long socket for wheel nuts
Extra lange Steckschlüssel für Radmuttern
Douilles extra-longues pour écrous de roue



6102M-400 (mm)	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)
41W×21W	3/4"	58	40	14	400	1880	1
32		48.5	40	32	400	1480	1
33		49.8	40	32	400	1500	1

8102M-400 (mm)	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)
41W×21W	1"	58	49.9	14	400	2610	1
32		48.5	49.9	32	400	2210	1
33		49.8	49.9	32	400	2220	1

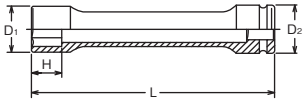
⚠ 6102M/8102M are for hand use only. Do not use with a power tools.

Extra long Socket for wheel nut

Combination type
41W×21W

16102M-270 / -400 ⬡
18102M-270 / -400 ⬡

Extra long Sockets for wheel Nuts
Extra lange Steckschlüssel für Radmuttern
Douilles extra-longues pour écrous de roue



16102M-270 (mm)	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	⬭
24	3/4"	38.8	44	24	270	1034	1	*1
27		42.5	44	27	270	1088	1	*1
30		46.3	44	30	270	1144	1	*1
32		48.8	44	32	270	1157	1	*1
33		50	44	32	270	1200	1	*1
36		53.8	44	32	270	1250	1	*1
38		56.3	44	32	270	1610	1	*1
41		60	44	32	270	1640	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

16102M-400 (mm)	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	⬭
24	3/4"	38.8	44	24	400	1430	1	*1
27		42.5	44	27	400	1460	1	*1
30		46.3	44	30	400	1510	1	*1
32		48.8	44	32	400	1530	1	*1
33		50	44	32	400	1530	1	*1
36		53.8	44	32	400	2180	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

18102M-270 (mm)	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	⬭
23	1"	37.3	54	23	270	1627	1	*1
24		38.5	54	24	270	1628	1	*1
26		41	54	26	270	1667	1	*1
27		42.3	54	27	270	1680	1	*1
29		44.8	54	29	270	1680	1	*1
30		46	54	30	270	1680	1	*1
32		48.5	54	32	270	1680	1	*1
33		49.8	54	32	270	1700	1	*1
34		51	54	32	270	1750	1	*1
36		53.5	54	32	270	1750	1	*1
38		56	54	32	270	1822	1	*1
41		60	54	32	270	1800	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

18102M-400 (mm)	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	⬭
23	1"	37.3	54	23	400	1865	1	*1
24		38.5	54	24	400	1869	1	*1
26		41	54	26	400	1925	1	*1
27		42.3	54	27	400	2272	1	*1
29		44.8	54	29	400	2278	1	*1
30		46	54	30	400	2266	1	*1
32		48.5	54	32	400	2322	1	*1
33		49.8	54	32	400	2320	1	*1
34		51	54	32	400	2341	1	*1
36		53.5	54	32	400	2442	1	*1
38		56	54	32	400	2550	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

PW6P
PW8P

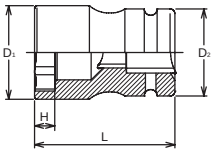
Rear Wheel Nut Sockets
Steckschlüssel für Hinterradmuttern
Douilles spéciales pour écrous de roué arrière

PW6P (mm×mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	Shaft Color	(g)	(pcs.)	
32×17	47	44	12	75		621	2	*1
35×17	50	44	12	75		655	2	*1
38×20	55	44	12	75		705	2	*1
41×19	58	44	12.5	80		813	2	*1
41×20	58	44	12.5	80		813	2	*1
41×21	58	44	12.5	80		779	2	*1

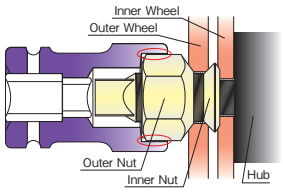
*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

PW8P (mm×mm)	D1 (mm)	D2 (mm)	H (mm)	L (mm)	Shaft Color	(g)	(pcs.)	
35×17	50	54	12	83		867	2	*1
38×20	55	54	12	83		941	2	*1
41×19	58	54	12.5	87		1033	2	*1
41×20	58	54	12.5	87		1033	2	*1
41×21	58	54	12.5	87		997	2	*1

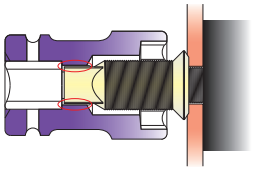
*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269



Tightening / Loosening Outer Nut



Tightening / Loosening Inner Nut



PW8P/4

Socket set of Rear Wheel Nut Sockets
Steckschlüssel für Hinterradmuttern, im Satz
Jeu de douilles spéciales pour écrous de roué arrière

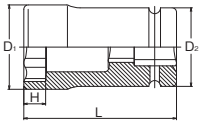
PW8P/4	4 Pieces Set/=4,250g
CARDBOARD BOX:W240×H95×T70mm	
Sockets	
PW8P Impact Rear Wheel Nut Sockets 35×17, 38×20, 41×19, 41×21	

PW8L

Rear Wheel Nut Socket (long)
Steckschlüssel für Hinterradmuttern, lang
Douilles spéciales pour écrous de roué arrière longue

PW8L (mm×mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
41×21	1"	58	54	15	105	1263	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269



PS6
PS8

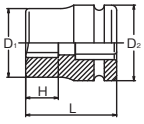
Rear Wheel Nut Sockets
Steckschlüssel für Hinterradmuttern
Douilles spéciales pour écrous de roué arrière

PS6 (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	3/4"	40	44	19	53	433	5	*1
19		40	44	19	53	419	5	*1
20		44	44	21	55	483	5	*1
21		44	44	23	60	491	5	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

PS8 (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)	
17	1"	40	54	19	60	621	2	*1
19		43	54	19	60	648	2	*1
20		45	54	21	62	687	2	*1
21		45	54	23	64	696	2	*1

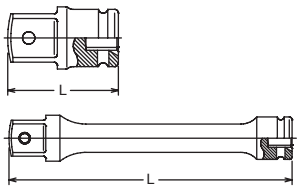
*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269



14466A-200B
14488A-B / -200B

Adaptor
Verbindungsstück
Réducteur

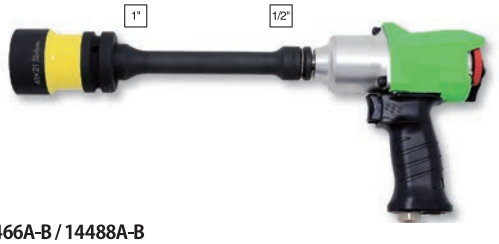
No Warranty
Keine Garantie
Sans Garantie



	凹 (sq.)	凸 (sq.)	L (mm)	(g)	(pce.)	
14466A-200B	1/2"	3/4"	200	560	1	*2
14488A-B	1/2"	1"	58	280	1	*2
14488A-200B	1/2"	1"	200	660	1	*2

*2 C-Ring=C42, Pin/O-Ring=A42/B42 ➡P268-269

(PW8P-41X21 + 14488A-200B + 1/2"SQ. Impact wrench)



14466A-B / 14488A-B
Impact Adaptors (凹1/2" SQ.→凸3/4", 1" SQ.)

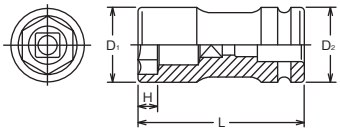
For temporary fastening a wheel nut socket for large vehicle with a light duty 1/2" Sq.Dr, Impact wrench.

Zum vorübergehenden Festziehen einer Radmutter für große Fahrzeuge mit einem leichten 1/2-Zoll-Vierkant-Schlagschrauber.

Pour la fixation temporaire d'un écrou de roue pour les gros véhicules avec une clé à chocs légère de 1/2" Sq.Dr.

16316M / 16316A
18316M / 18316A

Rear Wheel Nut Sockets
Steckschlüssel für Hinterradmuttern
Douilles spéciales pour écrous de roué arrière



16316M (mm×mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
35×17	3/4"	52	44	10	90	865	1	*1
38×20		56	44	13	100	952	1	*1
41×19		59	44	12	100	1037	1	*1
41×21		59	44	15	100	963	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

18316M (mm×mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
35×17	1"	52	54	10	108	1153	1	*1
38×20		56	54	13	108	1133	1	*1
41×19		59	54	12	108	1200	1	*1
41×21		59	54	15	108	1155	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

16316A (inch×inch)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
1.1/2×13/16	3/4"	56	44	13	100	940	1	*1

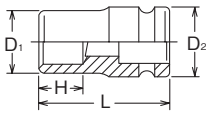
*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

18316A (inch×inch)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
1.1/2×13/16	1"	59	54	13	108	1120	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

16317M / 16317A
18317M / 18317A

Rear Wheel Nut Sockets
Steckschlüssel für Hinterradmuttern
Douilles spéciales pour écrous de roué arrière



16317M (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
17	3/4"	40	44	22.5	67	485	1	*1
19		40	44	22.5	67	462	1	*1
20		44	44	22.5	67	517	1	*1
21		44	44	22.5	67	489	1	*1
22		44	44	22.5	67	482	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

18317M (mm)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
17	1"	40	54	22.5	72	682	1	*1
17.5		40	54	22.5	72	677	1	*1
19		43	54	22.5	72	705	1	*1
20		45	54	22.5	72	723	1	*1
20.5		45	54	22.5	72	723	1	*1
21		45	54	22.5	72	703	1	*1
22		45	54	22.5	72	696	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

16317A (inch)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
13/16	3/4"	44	44	22.5	67	489	1	*1

*1 C-Ring=C61, Pin/O-Ring=A61/B61 ➡P268-269

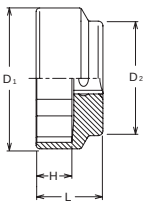
18317A (inch)		D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pce.)	
13/16	1"	45	54	22.5	72	703	1	*1

*1 C-Ring=C81, Pin/O-Ring=A81/B81 ➡P268-269

MOTORCYCLE TOOLS
MOTORRAD WERKZEUGE
OUTILLAGE MOTO

4400M (DU)

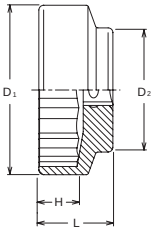
6 point Socket, extra short for Motorcycle central chain-wheel screws
6 kant Steckschlüssel, extra kurz für Motorrad Kettenrad-Zentralmuttern
Douille 6-pans, extra-court, pour moto, pour roue d'entrâinement écrou-central



4400M	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
41DU	1/2"	53	45	15	28	239	5
46DU		59	48	15	28	279	5

4405M (DU)

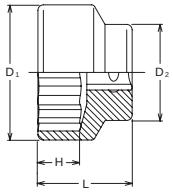
12 point Socket, extra short for motorcycle rear-axle screws
12 kant Steckschlüssel, extra kurz, für Motorrad-Hinterradmuttern
Douille 12-pans, extra-court, pour moto, pour écrou roue-arrière



4405M	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
36DU	1/2"	47.3	41	15	28	200	5
55DU		71	52	16	31	410	5

6405A (MV)

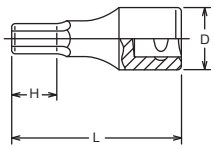
12 point Socket, extra short for motorcycle rear-axle screws
12 kant Steckschlüssel, extra kurz, für Motorrad-Hinterradmuttern
Douille 12-pans, extra-court, pour moto, pour écrou roue-arrière



6405A	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	(g)	(pcs.)
2.3/16MV	3/4"	74.6	53	23	52	790	2

4012M-43

Inhex Sockets
Steckschlüssel für Innensechskant-Schrauben
Douilles tournevis pour vis 6-pans creux

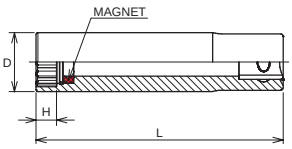


4012M-43 (mm)	⬚	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
20	1/2"	26	11.5	43	130	10
21		26	11.5	43	140	10
22		26	11.5	43	145	10
23		28	11.5	43	170	10
24		28	11.5	43	170	10
27		32	11.5	43	226	10

3305P-12

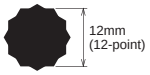
Spark Plug Socket with Magnet, 12-pt. opening
Zündkerzensteckschlüssel mit Magnet, 12-kant
Douille pour bougies, avec aimant, 12-pans

Magnet



3305P (mm)		D (mm)	H (mm)	L (mm)	(g)	(pcs.)
12	3/8"	16.5	6.3	70	78	10

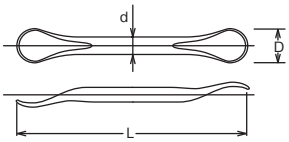
3305P-12 : For DUCATI V4 Engines



The magnet can break by any impacts. Please handle with care.
Der Magnet kann durch Stöße beschädigt werden. Bitte mit Vorsicht handhaben.
L'aimant peut être brisé par n'importe quel impact. Veuillez le manipuler avec précaution.

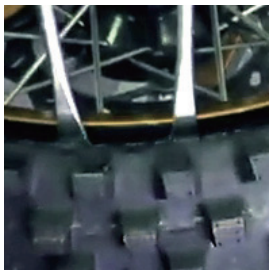
155

Tyre Lever
Reiffen und Montagehebel
Démonte-pneu



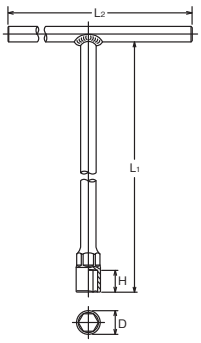
155	D (mm)	d (mm)	L (mm)	(g)	(pcs.)
	22	10	170	100	10

For Motorcycles
Für Motorräder
Pour motos



104ME

T-Handles, 6-Point
T-Griffe, 6-kant
Poignées en T, 6-pans



104ME (mm)	D (mm)	H (mm)	L1 (mm)	L2 (mm)	(g)	(pce.)
6	9.5	8	200	180	150	1
7	11	9	200	180	152	1
8	12	10	250	200	183	1
9	14	12	250	200	188	1
10	14	13	250	200	230	1
11	16	14	250	200	234	1
12	18	15	250	200	355	1
13	18.5	17	250	250	390	1
14	20	18	250	250	399	1
15	21	19	250	250	404	1
16	22.5	21	250	250	419	1
17	24	22	250	250	568	1
18	25	23	250	250	577	1
19	26.5	25	250	250	594	1
New **21**	29	27	350	300	1070	1
New **22**	30	28	350	300	1062	1
New **24**	33	30	350	300	1140	1

157HE

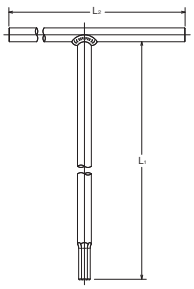
T-Handles, for Inhex Screws
T-Griffe für Innensechskant-Schrauben
Poignées en T, pour vis à 6-pans creux

157PE

T-Handles for PH Screws
T-Griffe für Kreuzschlitzschrauben PH
Poignées en T, por vis à empreinte PH

157T

T-Handle for TORX® Screws
T-Griff für TORX®-Schrauben
Poignées en T pour vis à empreinte TORX®



157HE (mm)	L1 (mm)	L2 (mm)	(g)	(pce.)
3	250	180	98	1
4	250	180	121	1
5	250	180	158	1
6	250	180	416	1
8	250	180	422	1
10	300	190	440	1
12	320	210	660	1

157PE (PH)	L1 (mm)	L2 (mm)	(g)	(pce.)
2	250	180	95	1
3	250	180	170	1

157T (T)	L1 (mm)	L2 (mm)	(g)	(pce.)
T25	250	180	95	1
T27	250	180	96	1
T30	250	180	167	1
T40	250	180	168	1
T45	250	180	213	1
T50	250	180	215	1

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TORX® ist ein registriertes Markenzeichen der Firma **CAMCAR Innovations.**
TORX® est une marque déposée de **CAMCAR Innovations.**

2263A

1/4" Socket set (Inch)
1/4" Steckschlüsselsatz (Zoll)
1/4" Jeu de clés à douilles (Pouce)

2263A	29 Pieces Set/=940g

METAL CASE:W240×H100×T32mm

Sockets	Accessories
2400A 6-pt. Sockets 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2	**2753N**
2000.28 Bit Sockets 1, 2, 3	**2760-100**
2010A.25 Bit Sockets 1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16	**2769N-150**
2025.28 Bit Sockets T10, T15, T20, T25, T30	**2770**
	2785

3201AMW

3/8" Socket set (mixed Metric,Inch,Witworth)
3/8" Steckschlüsselsatz (gemischt Metrisch,Zoll,)
Jeu de douilles 3/8" (pouce et métrique)

3201AMW	42 Pieces Set/=4,700g

METAL CASE:W445×H190×T50mm

Sockets	Accessories
3405M 12-pt. Sockets 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22	**3753N**
3405A 12-pt. Sockets 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 25/32, 13/16, 7/8	**3760-75**
3405W 12-pt. Sockets 1/8, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2	**3760-125**
	3760-250
	3768N-250
	3769N-160
	3770
	3780
	3785
	3344A

4238AM

1/2" Socket set (mixed Metric,Inch)
1/2" Steckschlüsselsatz (gemischt Metrisch,Zoll)
Jeu de douilles 1/2" (pouce et métrique)

4238AM	38 Pieces Set/=8,050g

METAL CASE:W446×H266×T50mm

Sockets	Accessories
4405M 12-pt. Sockets 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 23, 24, 26, 27, 30, 32	**4753N**
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1.1/16, 1.1/8, 1.1/4	**4760-125**
4300C Spark Plug Socket 20.8	**4760-250**
	4770
	4780
	4785

4251A

1/2" Socket set (Inch)
1/2" Steckschlüsselsatz (Zoll)
Jeu de douilles (pouce) 1/2"

4251A	18 Pieces Set/=2,660g

METAL CASE:W330×H68×T48mm

Sockets
4405A 12-pt. Sockets 3/8, 7/16, 1/2, 9/16, 5/8, 19/32, 21/32, 11/16, 3/4, 25/32, 13/16, 7/8, 15/16, 1, 1.1/16, 1.1/8, 1.3/16, 1.1/4

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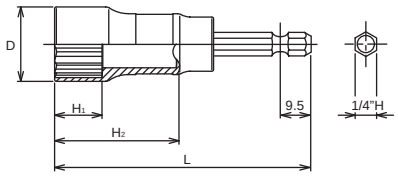
TOOLS FOR CONSTRUCTION SITES
WERKZEUGE FÜR DAS BAUGEWERBE
OUTILLAGE POUR L'INDUSTRIE DU BÂTIMENT

BD014SE

12-point Nut Setters
12-kant Steckschlüsselklingen
Douilles 12-pans à embout

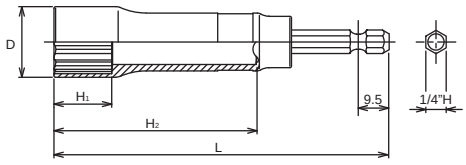


BD014SE (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	12	12	36	77	35	10
10	14	12	36	77	38	10
12	16.5	14	36	77	48	10
13	17.5	14	36	77	51	10
14	19	14	36	77	54	10
17	22.5	14	36	77	76	10
19	24.5	14	36	77	83	10
21	27	14	34	77	104	10
22	28	14	34	77	120	10
24	30.3	14	34	77	140	10

DIN 3126 Form E 6.3

BD014E

12-point Nut Setters, deep
12-kant Steckschlüsselklingen, lang
Douilles longues, 12-pans à embout

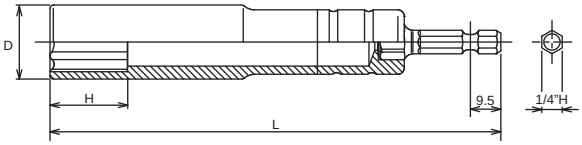


BD014E (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
8	12	12	63	104	45	10
10	14	12	63	104	52	10
12	16.5	18	63	104	61	10
13	17.5	18	63	104	65	10
14	19	18	63	104	72	10
17	22.5	18	60	104	80	10
19	24.5	18	60	104	95	10
21	27	18	60	104	110	10
22	28	18	60	104	112	10
24	30.3	18	60	104	123	10

DIN 3126 Form E 6.3

BD014E-140

6-point Nut Setters, extra deep
6-kant Steckschlüsselklingen, extra lang
Douilles extra-longues, 6-pans à embout

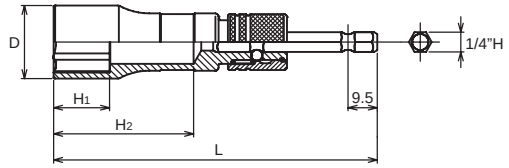


BD014E-140 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
13	19	20	140	120	10
17	24	26	140	190	10

DIN 3126 Form E 6.3

BD042E

6-point Nut Setters deep (Exchangeable Drive Shank)
6-kant Steckschlüsselklinge lang (austauschbarer Antriebsschaft)
Jeu d'écrous à 6 pans profonds (tige d'entraînement échangeable)

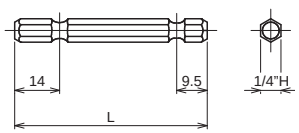


BD042E (mm)	D (mm)	H1 (mm)	H2 (mm)	L (mm)	(g)	(pcs.)
17	23.5	18	45	111	114	10
19	25.5	18	45	111	119	10
21	28	18	45	111	132	10
24	31.5	18	45	111	147	10

DIN 3126 Form E 6.3

BIT-60E

Drive bit for BD042E
Antriebsbit für BD042E
Embout d'entraînement pour BD042E



	L (mm)	(g)	(pcs.)
BIT-60E	60	10	10

DIN 3126 Form E 6.3

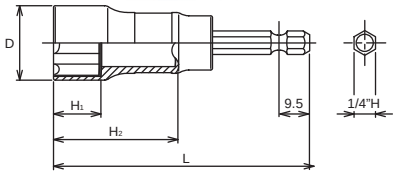
BD014XE-SF

Surface Drive Nut Setters, Semi-Deep
Surface Drive Steckschlüsselklingen, mittel lang
Douilles semi-profondes, Surface Drive

SURFACE DRIVE

BD014XE (mm)	D (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pcs.)
8SF	13	12	49	90	40	10
10SF	15	12	49	90	46	10
12SF	17.5	14	48	90	54	10
13SF	18.5	14	48	90	58	10
14SF	19.8	14	47	90	64	10
17SF	23.5	14	46	90	81	10
19SF	25.5	14	46	90	100	10
21SF	28	14	46	90	123	10
24SF	31.5	14	45	90	137	10

DIN 3126 Form E 6.3



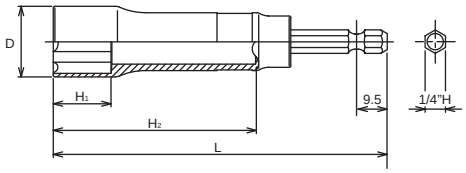
BD014E-SF

Surface Drive Nut Setters, deep
Surface Drive Steckschlüsselklingen, lang
Douilles longues, Surface Drive

SURFACE DRIVE

BD014E (mm)	D (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pcs.)
17SF	23.5	18	60	104	94	10
19SF	25.5	18	60	104	100	10
21SF	28	18	60	104	110	10

DIN 3126 Form E 6.3

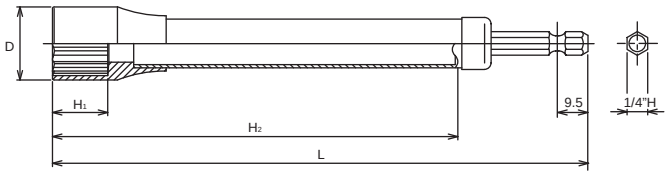


BD008E-165

12-point Nut Setter, extra long
12-kant Steckschlüsselklinge, extra lang
Douilles 12-pans à embout, extra longues

BD008E-165 (mm)	D (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pcs.)
17	22.8	17	110	165	105	10
19	24.8	17	110	165	135	10
21	27.3	17	110	165	142	10

DIN 3126 Form E 6.3

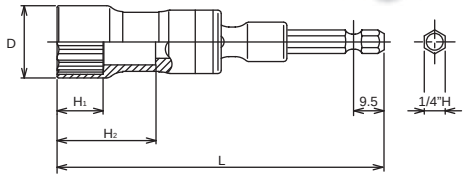


BD011SE

12-point Universal Joint Nut Setters
12-kant Steckschlüsselklingen mit Gelenk
Douilles 12-pans articulées à embout

BD011SE (mm)	D (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pcs.)
10	14	12	35	100	73	10
12	16.5	12	35	100	77	10
13	17.5	12	35	100	79	10
14	19	12	32	100	82	10
17	22.5	14	32	100	87	10
19	24.5	14	30	100	94	10
21	27	14	30	100	103	10
22	28	14	30	100	104	10

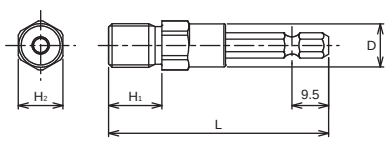
DIN 3126 Form E 6.3



184E-64

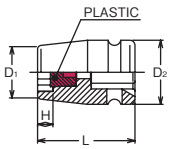
Drill Chuck Adaptor
Bohrfutteradapter
Adaptateur de mandrin de perçage

184E-64	D (mm)	H_1 (mm)	H_2 (mm)	L (mm)	(g)	(pcs.)
New **3/8×24UNF**	12.5	14.5	13	64	34	10
New **1/2×20UNF**	12.5	15.5	13	64	40	10



BD14400MJ

6-point Sockets for Anchor Screws
6-kant Steckschlüssel
Douilles 6-pans



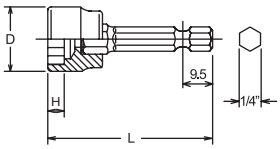
BD14400MJ (mm)	⬚	D1 (mm)	D2 (mm)	H (mm)	L (mm)	⚖ (g)	(pcs.)	⏻
13	1/2"	20.7	25	5	38	140	10	*1
15		23.2	30	5	38	145	10	*2
16		24.5	30	6.5	38	145	10	*2
17		25.7	30	6.5	38	145	10	*2
19		28.2	30	7.5	38	145	10	*2

*1 C-Ring=C41, Pin/O-Ring=A41/B41
*2 C-Ring=C42, Pin/O-Ring=A42/B42

➡P268-269

BD016E

6-point Sockets for Anchor Screws
6-kant Steckschlüssel
Douilles 6-pans

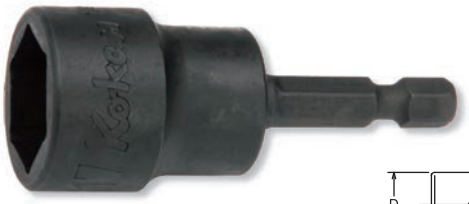


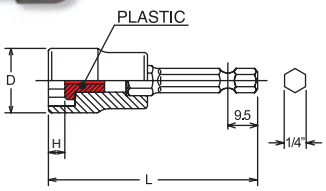
BD016E (mm)	D (mm)	H (mm)	L (mm)	⚖ (g)	(pcs.)
13	19.5	4	50	43	10
17	24.5	5	50	56	10
19	27	6	50	68	10

DIN 3126 Form E 6.3

BD016JE

6-point Nut Setters with Plastic Stops
6-kant Steckschlüsselklingen mit Plastik-Anschlag
Douilles 6-pans à embout avec arrêt en plastique



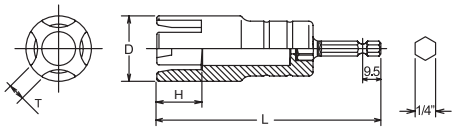


BD016JE (mm)	D (mm)	H (mm)	L (mm)	⚖ (g)	(pcs.)
13	19.5	5	60	66	10
17	24.5	6.5	60	80	10
19	27	7.5	60	90	10

DIN 3126 Form E 6.3

BD017E

Wing Bolt Socket for Electric Drill
6-kant Steckschlüsselklingen für Flügelschrauben
Douilles 6-pans à embout pour ecrous à oreilles



BD017E	D (mm)	T (mm)	H (mm)	L (mm)	⚖ (g)	(pcs.)
	31	7.3	21	104	158	10

DIN 3126 Form E 6.3

BD018

Wing Bolt Socket
Steckschlüssel für Flügelschrauben
Douilles pour ecrous à oreilles

BD018	⊠	D (mm)	T (mm)	H (mm)	L (mm)	⚖ (g)	◈ (pcs.)	
	3/8"	31	7.3	21	45	113	10	*2

*2 C-Ring=C32, Pin/O-Ring=A32/B32 ➡P268-269

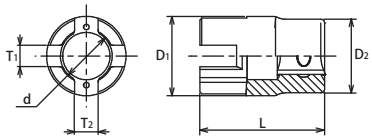
3119

Wing Bolt Socket
Steckschlüssel für Flügelschrauben
Douilles pour ecrous à oreilles

3119 (mm)	⊠	$T_1 \times T_2$ (mm)	D_1 (mm)	D_2 (mm)	d (mm)	L (mm)	⚖ (g)	◈ (pcs.)
3 ×5	3/8"	3 ×5	17	17.3	11	30	30	10
5.5×6		5.5×6	21	19.5	14	33	45	10

For Wing Bolt
Für Flügelschrauben
Pour ecrous à oreilles

For Drain Plug in Radiator
Für Kühler-Ablasschrauben
Pour le vidange du radiateur



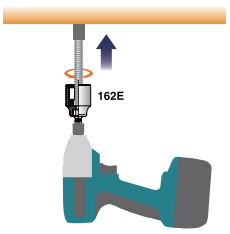
162E

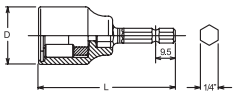
Stud Setters
Stehbolzeneindreher
Monte-goujons

162E (mm)	D (mm)	L (mm)	⚖ (g)	◈ (pcs.)
8	23	66	82	10
10	27.9	66	107	10

162E (inch)	D (mm)	L (mm)	⚖ (g)	◈ (pcs.)
1/4	23	66	83	10
5/16	23	66	82	10
3/8	27.9	66	107	10
1/2	27.9	66	108	10

⬢ DIN 3126 Form E 6.3

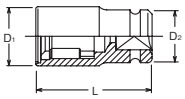




BD004

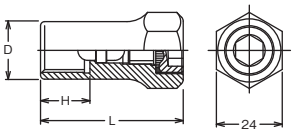
Impact Screw and Stud Setters
Impact Stehbolzeneindreher
Monte goujons, Impact

BD004 (mm)	⊠	D_1 (mm)	D_2 (mm)	L (mm)	⚖ (g)	◈ (pcs.)
12.5×10	1/2"	30	25	70	236	5
12.5×13		38	30	75	388	5
12.5×16		38	30	75	369	5
20 ×19	3/4"	48	44	90	775	2
20 ×22		48	44	90	752	2
20 ×25		62	44	95	1184	2
20 ×29		62	44	95	1148	2



HA001

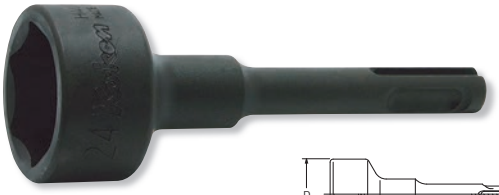
Stud Setters
Stehbolzeneindreher
Monte-goujons

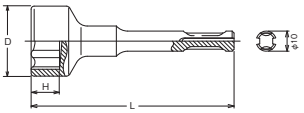


HA001	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
10(1.5)	15.5	13	47	90	10
12(1.75)	17.2	15	49	100	10
16(2.0)	21	18	52	125	10
20(2.5)	24.5	21	56	155	10
22(2.5)	26.5	27	61	175	10
24(3.0)	28	28	62	185	10

HA003

Drive Part
Antriebsteil
Propulseur



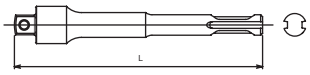


HA003 (mm)	D (mm)	H (mm)	L (mm)	(g)	(pcs.)
24	34.5	14	100	155	10

Socket for HA001

BD022-120P

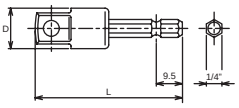
Hammer Drill Adaptor
Adapter für Schlagbohrmaschinen
Adaptateur pour aléseuses



BD022-120P	⬜	L (mm)	(g)	(pcs.)
3/8	3/8"	120	100	10
1/2	1/2"	120	160	10

BD023E

Adaptors
Verbindungsstücke
Adaptateurs

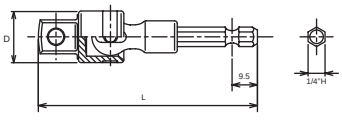


BD023E	⬜	D (mm)	L (mm)	(g)	(pcs.)
3/8	3/8"	12.5	55	27	10
1/2	1/2"	16.5	60	48	10

DIN 3126 Form E 6.3

BD024E

Universal Adaptors
Gelenk Adapter
Augmentator articulé



BD024E	⬜	D (mm)	L (mm)	(g)	(pcs.)
3/8	3/8"	19.3	78	63	10
1/2	1/2"	19.3	82	73	10

DIN 3126 Form E 6.3

170S

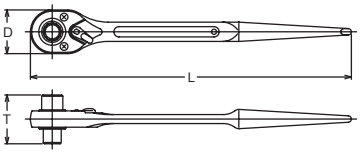
Spud Handle Ratchets, reversible
Doppelseitige Gerüstbauknarre, umstellbar
Cliquets, réversibles, pour assemblage et démontage - échafaudages, manche pointu

170S (mm)	D (mm)	T (mm)	L (mm)	(g)	(pce.)
10×12	34	38	250	260	1
12×14	34	38	250	260	1

171S

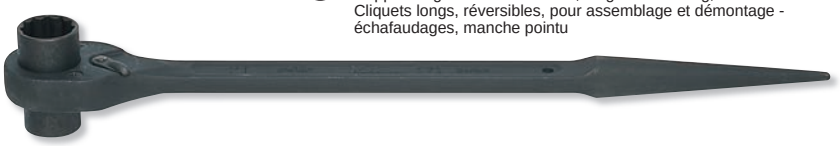
Spud Handle Ratchets, reversible
Doppelseitige Gerüstbauknarre, umstellbar
Cliquets, réversibles, pour assemblage et démontage - échafaudages, manche pointu

171S (mm)	D (mm)	T (mm)	L (mm)	(g)	(pce.)
14×17	44.6	50	250	460	1
17×19	44.6	50	250	460	1
17×21	44.6	50	250	460	1
19×21	44.6	50	250	460	1



171

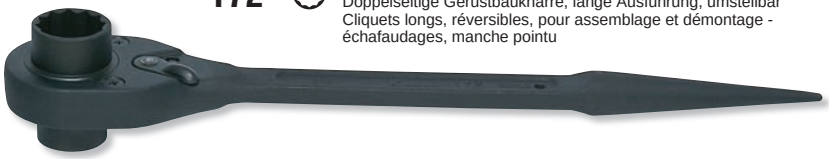
Spud Handle Ratchets (Long), reversible
Doppelseitige Gerüstbauknarre, lange Ausführung, umstellbar
Cliquets longs, réversibles, pour assemblage et démontage - échafaudages, manche pointu

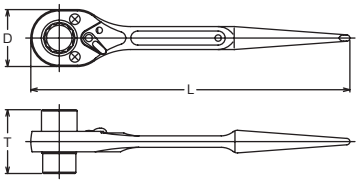


171 (mm)	D (mm)	T (mm)	L (mm)	(g)	(pce.)
14×17	44.6	50	380	630	1
17×19	44.6	50	380	630	1
17×21	44.6	50	380	630	1
19×21	44.6	50	380	630	1

172

Spud Handle Ratchets (Long), reversible
Doppelseitige Gerüstbauknarre, lange Ausführung, umstellbar
Cliquets longs, réversibles, pour assemblage et démontage - échafaudages, manche pointu



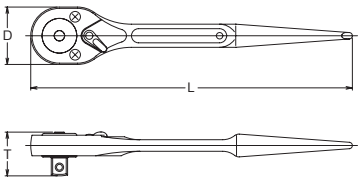


172 (mm)	D (mm)	T (mm)	L (mm)	(g)	(pce.)
21×26	68	58	380	1100	1
22×24	68	58	380	1100	1
23×26	68	58	380	1100	1
24×27	68	58	380	1100	1
26×32	68	63	380	1100	1

171SB-1/2

Spud Handle Ratchet with Push Button (short)
Gerüstbauknarre mit Arretierungsknopf (kurz)
Cliquet d'échafaudage avec bouton de verrouillage (court)

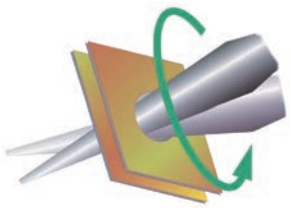
171SB-1/2	☐	D (mm)	T (mm)	L (mm)	(g)	(pce.)
	1/2"	44.6	33	250	480	1



171B-1/2

Spud Handle Ratchet with Push Button (long)
Gerüstbauknarre mit Arretierungsknopf (lang)
Cliquet d'échafaudage avec bouton de verrouillage (long)

171B-1/2	☐	D (mm)	T (mm)	L (mm)	(g)	(pce.)
	1/2"	44.6	33	380	650	1



Twin Opening Spud Handle Ratchets
The tapered handle is designed to align bolt holes in flanges, rivet holes or similar assemblies.

Knarren mit doppelseitiger Steckschlüssel-Kombination und konischem Griff für die Ausrichtung von Bohrlöchern z. B. an Flanschen und Gerüsten.

Cliquets à tête double avec manche conique pour aligner les trous des boulons lors des travaux d'échafaudage ou de tout travail de construction.

Ko-ken welcomes customer's enquiries for special tools.
New items can be designed and manufactured according to customers requirements. Please enquire through your distributors.

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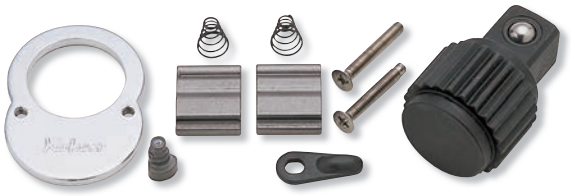
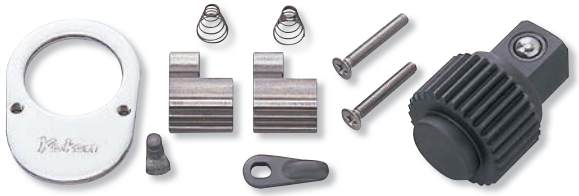
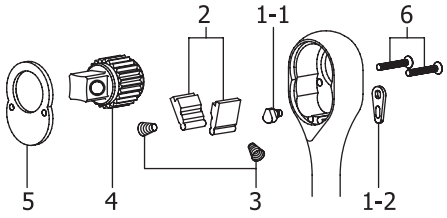
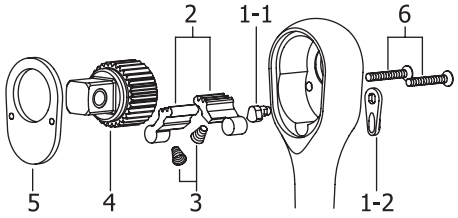
SPARE PART SETS
ERSATZTEILSÄTZE
PIÉCES DE RECHANGE







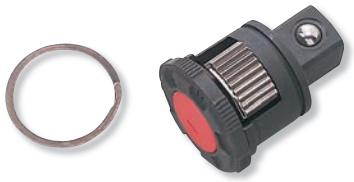
1-1	Reversion Cam
1-2	Reversion Lever
2	Dog
3	Spring
4	Square Drive
5	Cover plate
6	Screw

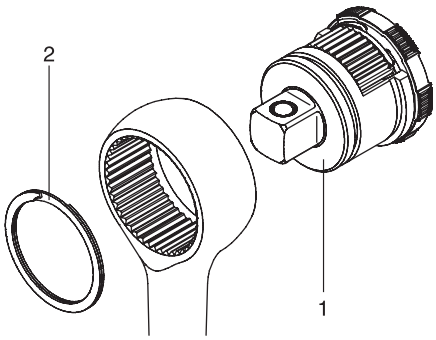


1-1	Reversion Cam
1-2	Reversion Lever
2	Dog
3	Spring
4	Square Drive
5	Cover plate
6	Screw

	☐	Products	⚖ (g)	(pce.)
2749RK	1/4"	2749N/P/J	30	1
2753RK		2753N/P/J, 2753PS/PSKR, 2753P-160, 2774PS/JS, 2774N/P/J	30	1
2753BRK		2753NB/PB/JB	31	1
2749RK-3/8	3/8"	2749PS-3/8, 2749N-3/8, 2749P-3/8, 2774PS-3/8, 2774JS-3/8	45	1
3749RK		3749S, 3749N	70	1
3749BRK		3749SB	84	1
3753RK		3753N/P/J, 3753SM, 3753P-250, 3774N/P/J, 3774PS, 3774NL/PL/JL	84	1
3753BRK		3753NB/PB/JB, 3753SMB, 3774NB/PB/JB/JBL	76	1
3749SRK-1/2	1/2"	3749S-1/2	120	1
3749SBRK-1/2		3749SB-1/2	120	1
4749RK		4749N-250, 4749N-380, 4749J-380	130	1
4753RK		4753N/P/J, 4753P-410, 4774N/P/J, 4774P-450	130	1
4753BRK		4753NB/PB/JB, 4774NB/PB/JB	130	1
6749RK	3/4"	6749, 6749-1000	580	1
8749RK	1"	8749, 8749-1000	800	1

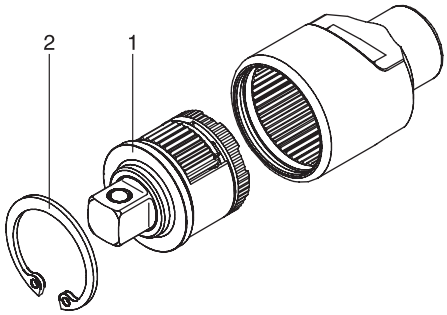
	☐	Products	⚖ (g)	(pce.)
4750RK	1/2"	4750N/P/J	130	1
4750BRK		4750NB/PB/JB	130	1





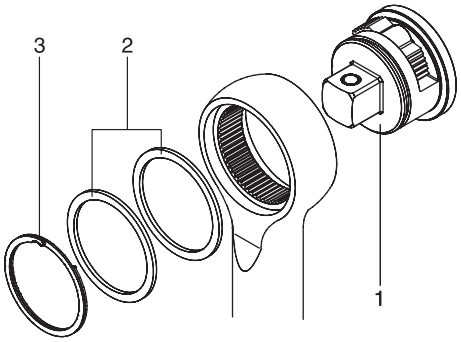
	Head
1	
2	Retaining Ring

	☐	Products	(g)	(pce.)
3752RK	3/8"	3752N/J, 3757, 3776N/P/J	84	1
4752RK	1/2"	4752N/J	140	1



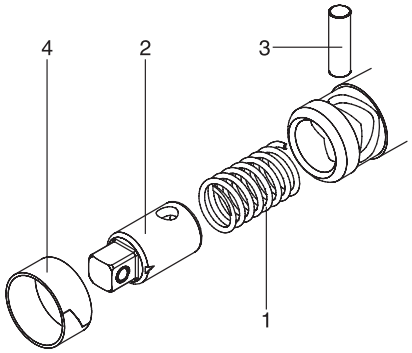
	Head
1	
2	Retaining Ring

	☐	Products	(g)	(pce.)
2755RK	1/4"	2755	40	1
3755RK	3/8"	3755	98	1
4755RK	1/2"	4755	137	1
6755RK	3/4"	6755	550	1



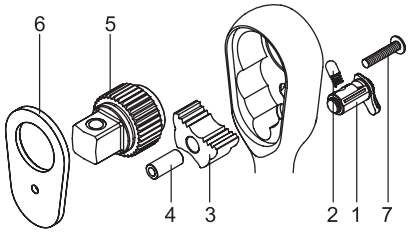
	Head
1	
2	Ring
3	Retaining Ring

	☐	Products	(g)	(pce.)
6752RK	3/4"	6752	600	1

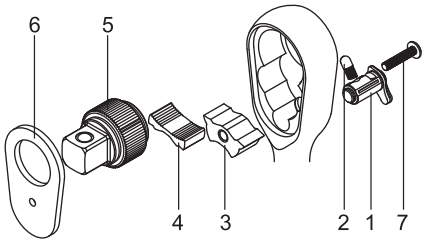


	Spring
1	
2	Square Drive
3	Pin
4	Retaining Ring

	☐	Products	(g)	(pce.)
3112RK	3/8"	3112N	106	1
4112RK	1/2"	4112N	116	1
6112RK	3/4"	6112	445	1



1	Reversion Lever
2	Pin+Spring
3	Pawl
4	Sleeve
5	Square Drive
6	Cover Plate
7	Screw



1	Reversion Lever
2	Pin+Spring
3	Pawl (Large)
4	Pawl (Small)
5	Square Drive
6	Cover Plate
7	Screw

For 36 Tooth

		Products	(g)	(pce.)
2725RK-1	1/4"	2725Z, 2725Z-160, 2726Z, 2726Z-160	30	1
2725RK-3/8	3/8"	2725Z-3/8, 2725Z-3/8(L160), 2726Z-3/8, 2726Z-3/8(L160)	45	1
3725RK-1	3/8"	3725Z, 3725ZS, 3725Z-280, 3726Z, 3726ZS, 3726Z-280	50	1
4725RK-1	1/2"	4725Z	120	1

For 72 Tooth

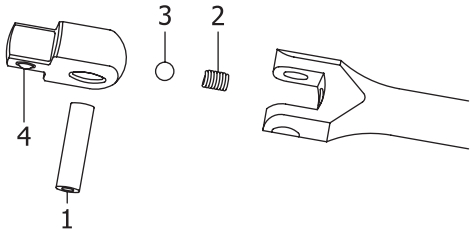
			Products	(g)	(pce.)
New	**2725RK-2**	1/4"	2725Z, 2725Z-160, 2726Z, 2726Z-160	30	1
New	**2725RK-2(3/8)**	3/8"	2725Z-3/8, 2725Z-3/8(L160), 2726Z-3/8, 2726Z-3/8(L160)	45	1
New	**2725BRK-1(3/8)**		2725ZB-3/8, 2725ZB-3/8(L160), 2726ZB-3/8, 2726ZB-3/8(L160)	45	1
New	**3725RK-2**		3725Z, 3725ZS, 3725Z-280, 3726Z, 3726ZS, 3726Z-280	50	1
New	**3725BRK-1**		3725ZB, 3725ZSB, 3725ZB-280, 3726ZB, 3726ZSB, 3726ZB-280	50	1
New	**4725RK-2**	1/2"	4725Z	120	1
New	**4725BRK-1**		4725ZB	120	1

72 teeth repair kit do not fit on 36 teeth ratchets
Das Reparaturset mit 72 Zähnen passt nicht auf Ratschen mit 36 Zähnen
Le kit de réparation 72 dents ne convient pas aux cliquets 36 dents

Screwdriver / Schraubendreher / Tournevis
For the mounting of repair sets
Zur Montage von Reparatursätzen
Pour l'installation de kits de réparation

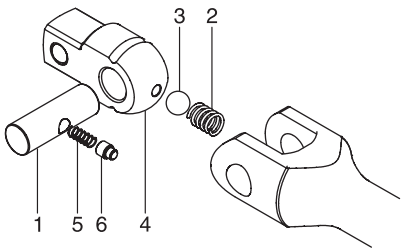
TORXPLUS® 6IP Screwdriver for 2725RK
TORXPLUS® 8IP Screwdriver for 3725RK
TORXPLUS® 10IP Screwdriver for 4725RK

168T (IP)	H (mm)	L (mm)	(g)	(pce.)
6IP(40)	40	110	20	1
8IP(40)	40	110	20	1
10IP(40)	40	110	22	1



1	Pin
2	Coil Spring
3	Ball
4	Square Drive

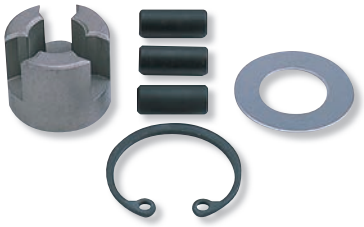
	☐	Products	(g)	(pce.)
2768RK	1/4"	2768N/P/J	40	1

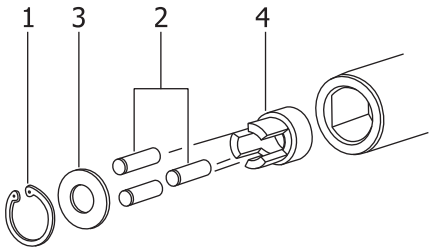


1	Pin
2	Coil Spring
3	Ball
4	Square Drive
5	Coil Spring
6	Plunger

RENEWAL KIT FOR HINGE HANDLE

	☐	Products	(g)	(pce.)
3768RK	3/8"	3768N-175/250/300, 3768P-250/380, 3768J-250	40	1
3768ZRK		3768Z-250/400	40	1
4768RK	1/2"	4768N-300/380/450/600, 4768N-380/ 450/600, 4768J-380/450/600, 4781N-450	137	1
4768ZRK		4768Z-430	137	1
6768RK	3/4"	6768, 6768-600, 6768-1000	175	1
8768RK	1"	8768, 8768-1000	465	1





1	Retaining Ring
2	Roller
3	Cover
4	Cage

4100MRK (mm)	☐	Products	(pce.)
6	1/2"	4100M-6	1
7		4100M-7	1
8		4100M-8	1
9		4100M-9	1
10		4100M-10	1
10.5		4100M-10.5	1
11		4100M-11	1
12		4100M-12	1
14		4100M-14	1
16		4100M-16	1

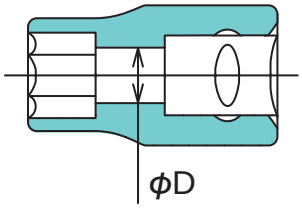
4100ARK (inch)	☐	Products	(pce.)
1/4	1/2"	4100A-1/4	1
5/16		4100A-5/16	1
3/8		4100A-3/8	1
7/16		4100A-7/16	1
1/2		4100A-1/2	1
9/16		4100A-9/16	1
5/8		4100A-5/8	1

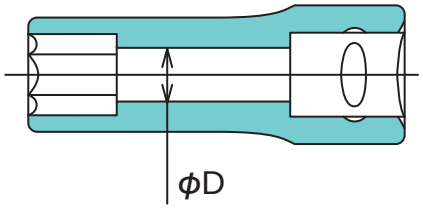
6100MRK (mm)	☐	Products	(pce.)
18	3/4"	6100M-18	1
20		6100M-20	1
22		6100M-22	1
24		6100M-24	1
27		6100M-27	1
28		6100M-28	1
29		6100M-29	1
30		6100M-30	1

162RK	Products	(pce.)
5/16	162E-5/16	1
3/8	162E-3/8	1
1/2	162E-1/2	1
10	162E-10	1

Standard Socket

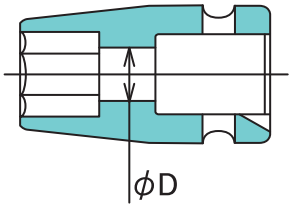
Deep Socket



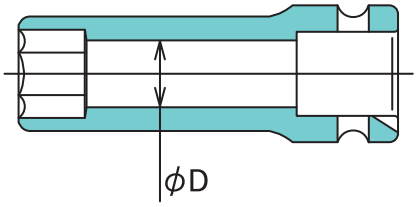


SOCKET		1/4"		3/8"		1/2"		3/4"		1"
		Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep	Standard
⬡		2400M 2400A	2300M 2300A	3400M 3400A	3300M 3300A	4400M 4400A	4300M 4300A	6400M 6400A	6300M 6300A	8400M 8400A
○		2405M 2405A	2305M 2305A	3405M 3405A	3305M 3305A	4405M 4405A	4305M 4305A	6405M 6405A	6305M 6305A	8405M 8405A
(mm)	(inch)	ϕ D								
3	1/8	2.5	2.5							
4		3	3							
4.5		3.5	3.5							
5	3/16	4	4							
5.5	7/32	4.5	4.5	4.5	4.5					
6	1/4	4.5	5	5	5					
7	9/32	6.2	6	5.5	6					
8	5/16	6.2	7	6	7	6	7			
9	11/32	8.3	8.3	7	8	7	8			
10	3/8	9.4	9	8	9	8	9			
11	7/16	10	10	9	10	9	10			
12		10	11	10	11	10	11			
13	1/2	11.5	12	11	12	11	12			
14	9/16	13	13	13.5	13.5	12	13			
15	19/32			13	14	13	14			
16	5/8			14	15	14	15			
17	21/32			15	16	15	16	15	16	
18	11/16			15	17	15	17	15	17	
19	3/4			16	18	18	18	16	18	
20	25/32			17	19	18	19	17	19	
21	13/16			18	20	18	20	18	20	
22	7/8			19	21	19	21	19	21	
23				20	22	20	22	20	22	
24	15/16			21	23	21	23	21	23	
25				22	24	22	24	22	24	
26	1			23	25	23	25	23	25	
27	1- 1/16				26	23	26	23	26	23
28						24	27	24	27	24
29	1- 1/8					24	28	24	28	24
30	1- 3/16					25	29	25	29	25
31						26	30	26	30	26
32	1- 1/4					27	31	27	31	27
33	1- 5/16					28	32	28	32	28
34						29	33	29	33	29
35	1- 3/8					30	34	30	34	30
36						31	35	31	35	31
37	1- 7/16					31	36	31	36	31
38	1- 1/2					32	37	32	37	32
39								32	38	32
40	1- 9/16							33	39	33
41	1- 5/8							34	40	34
42								34	41	34
43	1-11/16							35	42	35
44	1- 3/4							36	43	36
45								36	44	36
46	1-13/16							37	45	37
47								38	46	38
48	1- 7/8							38	47	38
	1-15/16							39	48	39
50	2							40	49	40
	2- 1/16							40		

Standard Socket



Deep Socket



SOCKET		1/4"	3/8"		1/2"		3/4"		1"	
		Standard	Standard	Deep	Standard	Deep	Standard	Deep	Standard	Deep
⬡		12400M 12400A	13400M 13400A	13300M 13300A	14400M 14400A	14300M 14300A	16400M 16400A	16300M 16300A	18400M 18400A	18300M 18300A
(mm)	(inch)	ϕ D								
4		3								
4.5	3/16	3								
5		4								
5.5		4								
6	1/4	5	5	5						
7	9/32	5	5	6						
8	5/16	6	6	7	6	7				
9	11/32	7	7	8	7	8				
10	3/8	8	8	9	8	9				
11	7/16	9	9	10	9	10				
12		10	10	11	10	11				
13	1/2	11	11	12	11	12				
14	9/16	12	12	13	12	13				
15			13	14	13	14				
16	5/8		14	15	14	15	14	15		
17	11/16		14	16	14	16	14	16		
18			15	17	15	17	15	17		
19	3/4		16	18	16	18	16	18	16	18
20			17	19	17	19	17	19	17	19
21	13/16		18	20	18	20	18	20	18	20
22	7/8		19	21	19	21	19	21	19	21
23			20		20	22	20	22	20	22
24	15/16		20		21	23	21	23	21	23
25	1				22	24	22	24	22	24
26					23	25	23	25	23	25
27	1- 1/16				23	26	23	26	23	26
28					23	27	24	27	24	27
29	1- 1/8				23	28	25	28	25	28
30	1- 3/16				23	29	26	29	26	29
31					23	30	27	30	27	30
32	1- 1/4				23	31	28	31	28	31
33					25	32	29	32	29	32
34	1- 5/16				25	33	30	33	30	33
35	1- 3/8				25	34	31	34	31	34
36					28	35	32	35	32	35
37	1- 7/16						32	36	32	36
38	1- 1/2						34	37	34	37
40	1- 9/16						34	39	34	39
41	1- 5/8						35	40	35	40
42	1-11/16						35	41	35	41
45	1- 3/4						35	44	35	44
46	1-13/16						40	45	40	45
47							40	46		
	1- 7/8						40	47		

Equivalent Standard Bolt Diameters

of German, American, British, Norwegian, French, and Swedish sizes for Wrenches

Socket Opening		Metric sizes												American sizes																		English sizes		
		SW	Thread diameters											Thread diameters																		Thread Diam		
			ISO R272-1968		German Standard				French Standard	Swedish Standards					ISO R272-1962			Nomal Series		Heavy Series		Nuts			Bolts and Screws					Nuts			
					metric																											W	BS	
minimum dimension 1)	maximum dimension 2)	nominal size of wrench mm	standard hexagon	small hexagon	DIN.....2)	DIN561+564	DIN6914+6915	Danish Stand DS 17	NFE 27-111-19303	Metric large SMS 1412	Metric small SMS 1414	Whitworth large SMS 1413	Whitworth small SMS 1415	Nominal Size of Wrench	Bolts	Nuts	Actual A/F	Bolts	Nuts	Bolts	Nuts	Normal a	Square b	Heavy c	Normal d	Heavy e	Machine Screws f	Set Screws Square g	Machine Screw Nuts h	Whitworth Large	BS 916, 1953 and BS 1083, 1968, 1965	Width across flats inch
2.52	2.58	2.5			1																												
3.02	3.08	3			1.2+1.4																												
3.22	3.28	3.2	1.6		1.6																												
3.23	3.35													1/8	No2											No2+3							
3.52	3.60	3.5			1.7																												
4.01	4.14													5/32		No0+1												No0+1					
4.02	4.12	4	2		2				2.5		2.3																						
4.52	4.62	4.5			2.3						2.6																						
4.83	4.95													3/16	No3.4+5	No2+3	19									No4+5	No10	No2+3					
5.02	5.12	5	2.5		2.5+2.6				3		3																						
5.21	5.33													13/64																			
5.52	5.62	5.5	3		3																												
5.59	5.72													7/32													No12						
6.00	6.13													15/64																			
6.03	6.15	6			3.5				3.5	3	3.5																						
6.40	6.53													1/4	No6+8	No4	25									No6+8	1/4	No4					
6.60	6.70																												1/16		.256		
6.82	6.97													17/64																			
7.03	7.15	7	4		4				4+4.5	3.5	4																						
7.19	7.32													9/32										No10									
7.60	7.70																												3/32		.297		
7.62	7.77													19/64																			
8.03	8.18													5/16	No10+12	No5+6	31									No10+12	5/16	No5+6					
8.03	8.15	8	5		5	6			5	4	5																						
8.41	8.56													21/64																			
8.70	8.80																												1/8	3/16	.340		
8.81	8.97													11/32		No8	34											No8					
9.03	9.15	9			6				5.5	5																							
9.60	9.75													3/8		No10	38							※1/4		1/4	3/8	No10					
10.04	10.19	10	6		6	8			6		6																						
10.39	10.55													13/32																			
11.04	11.19	11	7		7			1/4		6	7		1/4																				
11.18	11.33													7/16	1/4	No12.1/4	44	1/4	1/4			1/4	1/4		1/4			7/16	No12.1/4				
11.38	11.45																												3/16	1/4	.445		
11.99	12.14													15/32																			
12.04	12.24	12		8					7		8																						
12.80	12.95													1/2	5/16	5/16	50	5/16	5/16		1/4	5/16		1/4	5/16		5/16	1/2					
13.04	13.24	13	8		8	10						1/4	5/16																				
13.44	13.54																												1/4	5/16	.525		
13.60	13.77													17/32																			
14.05	14.27	14		10	8◊)			5/16	8	8																							
14.38	14.55													9/16	3/8	3/8	56	3/8	3/8		5/16	3/8	5/16	5/16	3/8		3/8	9/16	5/16				
15.05	15.27	15			10◊)						10	5/16	3/8																				
15.18	15.36													19/32																			
15.34	15.44																												5/16	3/8	.600		
15.98	16.15													5/8	7/16		62	7/16				3/8		7/16			5/8	3/8					
16.05	16.27	16	Spark plug M10x1.0						9																								
16.77	16.95													21/32																			
17.05	17.30	17	10	12	10	12		3/8	10	10																							
17.58	17.75													11/16		7/16	69		7/16		3/8	7/16		3/8									
18.05	18.30	18	Spark plug M12x1.25								12	3/8	7/16																				
18.16	18.29																												3/8	7/16	.710		
19.06	19.36	19	12	14	12	16		7/16	11																								
19.18	19.38													3/4	1/2	1/2	75	1/2	1/2		7/16	1/2	7/16	7/16	1/2			3/4					
19.97	20.17													25/32																			
20.06	20.36	20																															
20.78	20.98													13/16	9/16		81	9/16				1/2		9/16									
20.86	21.16	20.8	Spark plug M14x1.25																														
20.95	21.08																												7/16	1/2	.820		
21.06	21.36	21							12		14	7/16	1/2																				
22.06	22.36	22	14	16	14		12	1/2		12+14																							
22.35	22.56													7/8		9/16	88		9/16	1/2	1/2	9/16	9/16	1/2			7/8						
23.06	23.36	23							14			1/2																					
23.52	23.67																												1/2	9/16	.920		
23.98	24.21													15/16	5/8	5/8	94	5/8	5/8			5/8		9/16	5/8								
24.06	24.36	24	16	18	16	20					16		5/8																				
24.76	24.99													31/32																			
25.06	25.36	25																															
25.55	25.78													1			100						5/8				1						
25.81	25.96																												9/16	5/8	1.010		
26.08	26.48	26	Spark plug M18x1.5																														
27.08	27.48	27	18	20	18		16	5/8		16	18																						
27.13	27.36													1 1/16			106			5/8	5/8			5/8									
28.12	28.30																												5/8	11/16	1.100		
28.08	28.48	28										5/8	3/4																				
28.75	29.01													1 1/8	3/4	3/4	112	3/4	3/4			3/4	3/4		3/4			1 1/8					
29.08	29.48	29							18																								
30.08	30.48	30	20	22	20	24					20																						
30.34	30.59													1 3/16																			
30.66	30.84																												11/16	3/4	1.200		
31.93	32.18													1 1/4			125			3/4	3/4			3/4				1 1/4					
32.08	32.48	32	22	24	22		20	3/4	20	18+20	22																						
33.08	33.48	33										3/4	7/8																				
33.22	33.43																												3/4	7/8	1.300		
33.53	33.81													1 5/16	7/8	7/8	131	7/8	7/8			7/8	7/8		7/8								
34.08	34.48	34									24																						
35.10	35.60	35							22																								
35.13	35.41													1 3/8														1 3/8					
35.51	35.71																												13/16	15/16	1.390		
36.10	36.60	36	24	27	24	30	22	7/8		22+24																							

Equivalent Standard Bolt Diameters

of German, American, British, Norwegian, French, and Swedish sizes for Wrenches

Socket Opening		Metric sizes												American sizes																		English sizes		
		SW	Thread diameters												Thread diameters																	Thread Diam		
			ISO R272-1968		German Standard				French Standard	Swedish Standards					ISO R272-1962																	W	BS	
					metric													Nomal Series		Heavy Series		Nuts			Bolts and Screws					Nuts				
minimum dimension 1)	maximum dimension 2)	nominal size of wrench mm	standard hexagon	small hexagon	DIN.....2)	DIN561+564	DIN6914+6915	Danish Stand DS 17	NFE 27-111-19303)	Metric large SMS 1412	Metric small SMS 1414	Whitworth large SMS 1413	Whitworth small SMS 1415	Nominal Size of Wrench	Bolts	Nuts	Actual A/F	Bolts	Nuts	Bolts	Nuts	Normal a	Square b	Heavy c	Normal d	Heavy e	Machine Screws f	Set Screws Square g	Machine Screw Nuts h	Whitworth Large	BS 916, 1953 and BS 1083, 1968, 1965	Width across flats inch
36.73	37.01													1 7/16			144			7/8	7/8			7/8		7/8							
37.10	37.60	37										7/8	1																				
37.82	38.05																													7/8	1	1.480
38.10	38.60	38							24																								
38.30	38.61													1 1/2	1	1	150	1	1			1	1		1			1 1/2				
39.89	40.20													1 9/16																			
40.36	40.59																													15/16	1 1/16	1.580
41.10	41.60	41	27	30	27		24	1		27																							
41.50	41.81													1 5/8			162			1	1			1		1							
42.10	42.60	42							27			1	1 1/8																				
42.67	42.93																													1	1 1/8	1.670
43.08	43.38													1 11/16	1 1/8	1 1/8	169	1 1/8	1 1/8			1 1/8	1 1/8		1 1/8								
44.70	45.03													1 3/4																			
46.10	46.60	46	30	33	30	36	27	1 1/8	30	30																							
46.28	46.61													1 13/16			181			1 1/8	1 1/8			1 1/8		1 1/8							
47.10	47.60	47										1 1/8	1 1/4																				
47.52	47.80																													1 1/8	1 1/4	1.860
47.88	48.21													1 7/8	1 1/4	1 1/4	188	1 1/4	1 1/4			1 1/4	1 1/4		1 1/4								
50.10	50.60	50	33	36	33			1 1/4	33	33																							
51.08	51.44													2			200			1 1/4	1 1/4			1 1/4		1 1/4							
52.10	52.60	52										1 1/4	1 3/8																				
52.37	52.68																													1 1/4	1 3/8	2.050
52.68	53.04													2 1/16	1 3/8	1 3/8	206	1 3/8	1 3/8			1 3/8	1 3/8		1 3/8								
54.12	54.72	54							36																								
54.25	54.61													2 1/8																			
55.12	55.72	55	36	39	36	42		1 3/8		36																							
55.88	56.26													2 3/16			219			1 3/8	1 3/8			1 3/8		1 3/8							
56.12	56.72	56										1 3/8	1 1/2																				
56.72	57.05																													1 3/8	1 1/2	2.220
57.45	57.84													2 1/4	1 1/2	1 1/2	225	1 1/2	1 1/2			1 1/2	1 1/2		1 1/2								
58.12	58.72	58							39																								
60.12	60.72	60	39		39			1 1/2		39		1 1/2	1 5/8																				
60.66	61.06													2 3/8			238			1 1/2	1 1/2			1 1/2		1 1/2							
61.57	61.92																													1 1/2	1 5/8	2.410
62.23	62.64													2 7/16												1 5/8							
63.12	63.72	63							42																								
63.83	64.24													2 1/2																			
65.12	65.72	65	42		42	48		1 3/8		42		1 5/8	1 3/4																				
65.43	65.86													2 9/16			256							1 5/8		1 5/8							
65.91	66.29																													1 5/8	1 3/4	2.580
67.03	67.46													2 5/8	1 3/4	1 3/4	262	1 3/4	1 3/4						1 3/4								
67.12	67.72	67							45																								
70.12	70.72	70	45		45			1 3/4		45		1 3/4	1 7/8																				
70.26	70.69													2 3/4			275			1 3/4	1 3/4			1 3/4		1 3/4							
70.51	70.92																													1 3/4	2	2.760
71.12	71.72	71							48																								
71.81	72.26													2 13/16											1 7/8								
75.03	75.51													2 15/16			294							1 7/8		1 7/8							
75.15	75.85	75	48		48	56		1 7/8		48		1 7/8	2																				
76.61	77.09													3	2	2	300	2	2						2								
77.15	77.85	77							52																								
79.81	80.31													3 1/8			312			2	2			2		2							
80.15	80.85	80	52		52			2	52		2																						
80.47	80.92																													2	2 1/4	3.150	
82.15	82.85	82							56																								
85.15	85.85	85	56		56			2 1/4																									
86.18	86.72													3 3/8											2 1/4								
88.15	88.85	88							60																								
89.36	89.92													3 1/2										2 1/4		2 1/4							
90.15	90.85	90	60		60																												
90.60	91.00																														2 1/2	3.550	
94.15	94.85	94							64																								
95.15	95.85	95	64		64			2 1/2																									
95.76	96.34													3 3/4											2 1/2								
98.93	99.52													3 7/8										2 1/2		2 1/2							
99.20	99.60																														2 3/4	3.890	
100.15	100.85	100	68		68				68																								
105.20	106.00	105	72		72			2 3/4	72																								
105.33	105.67													4 1/8										2 3/4									
106.60	107.00																														3	4.180	
108.51	109.14													4 1/4										2 3/4									
110.20	111.00	110	76		76			3	76																								
114.91	115.57													4 1/2											3								
115.20	116.00	115	80		80																												
116.20	117.00	116							80																								
118.08	118.77													4 5/8										3		3							
120.20	121.00	120	85		85			3 1/4																									

1) max-min, dimensions for metric sizes according to DIN 475/2, series 1
2) DIN 439, 555, 601, 609, 610, 917, 931, 933, 934, 935, 936, 937, 960, 961, 979, 980, 985, 986, 1587, 2510/5, 6330, 6331, 7513, 7964, 7967, 7968, 7976, 7990
3) NFE 27-311 is identical to ISO R 272 since Oct.1969
4) Standards prior to 1966
5) Only applicable to Motor industry(M 10 acc.to DIN 70 613 through 70 618)
6) Standards prior to 1963

ANSI B 18.2.2-1972
- a) Hex Flat and Hex Flat Jam Nuts
  Hex Nuts and Hex Jam Nuts
  Hex Slotted Nuts
  Hex Thick Nuts
  Hex Thick Slotted Nuts
  Hex Castle Nuts
- b) Square Nuts
- c) Heavy Square Nuts
  Heavy Hex Flat Nuts
  Heavy Hex Flat Jam Nuts
  Heavy Hex Nuts
  Heavy Hex Jam Nuts
  Heavy Hex Slotted Nuts

ANSI B 18.2.1-1972
- d) Square Bolts
  Hex Bolts
  Hex Cap Screws
  Lag Screws
- e) Heavy Hex Bolts
  Heavy Hex Structual Bolts
  Heavy Hex Screws
- f) ANSI B 18.6.3-1962
- g) ANSI B 18.6.2-1956
- h) ANSI B 18.6.3-1962

※ Square Bolt and Lag Screw only

Screw dimension	Hexagon Head Bolt			Hexagon Socket Head Cap Screws			TORX		TORXPLUS		Triple Square	LHSTIX	Ref.) Standard Tightning Torque (Nm)				
	Standard	Compact	High Strength	Standard	Button Head / Shoulder Head	Hexagon Socket Set Screws	T	E	IP	EP [EPL]	XZN	LH-S [LH-SS]	Grade 4.6	Grade 6.8	Grade 8.8	Grade 10.9	Grade 12.9
M2	4			1.5		0.9	T6/T8		6IP				0.12	0.24	0.32	0.45	0.54
M2.5	5			2		1.3	T8		8IP		M3		0.25	0.49	0.65	0.92	1.1
M3	5.5			2.5	2	1.5	T10	E4	8IP/10IP	4EP	M3		0.43	0.87	1.16	1.63	1.96
M3.5	(6)						T15		10IP/15IP				0.68	1.37	1.82	2.56	3.08
M4	7			3	2.5	2	T20/T25	E5	15IP/20IP	5EP	M4	LH4S	1.01	2.02	2.7	3.79	4.54
M5	8			4	3	2.5	T25/T27	E6	20IP/25IP /27IP	6EP [8EPL]	M5	LH5S	2.04	4.09	5.47	7.67	9.18
M6	10			5	4	3	T30	E8	27IP/30IP	8EP [10EPL]	M6	LH6S	3.47	6.97	9.27	13	15.6
M7	11						T40	E8	40IP	8EP [12EPL]			5.85	11.6	15.5	21.8	26.2
M8	13	(12)		6	5	4	T40/T45	E10	40IP/45IP	10EP [14EPL]	M8	LH8S	8.41	16.9	22.5	31.6	37.9
M10	16 (17)	(14)		8	6	5	T50	E12	45IP/50IP	12EP [16EPL]	M10	LH10S [LH8SS]	16.7	33.4	44.5	62.6	75.2
M12	18 (19)	(17)	21 (22)	10	8	6	T55	E14	55IP	14EP [20EPL]	M12	LH12S [LH10SS]	29.1	58.3	77.6	109	131
M14	21 (22)	(19)		12			T55/T60	E14/E18	55IP/60IP	18EP [24EPL]	M14	LH14S [LH12SS]	46.4	92.7	124	174	209
M16	24	(22)	27	14	10	8	T60/T70	E16/E20	60IP/70IP	20EP [26EPL]	M16	LH16S [LH14SS]	72.3	145	194	271	325
M18	27	(24)		(14)			T70/T80	E24	80IP	24EP [30EPL]	M18		100	199	266	373	447
M20	30 (32)	(27/29)	32	17	12	10	T80/T90	E24	90IP	24EP [32EPL]			141	282	376	529	635
M22	34 (32/35)	(30/32)	36	(17)			T90/T100	E28	100IP	24EP [36EPL]			192	384	511	720	865
M24	36 (38)	(32/35)	41	19		12	T100	E32	100IP	32EP [40EPL]			244	488	650	915	1100
M27	41	(36)	46	(19)				E32		32EP			358	713	951	1340	1610
M30	46	(41)	50	22				E36		36EP			484	971	1290	1820	2180
M33	50	(46)		(24)				E40		40EP			661	1320	1760	2470	2970
M36	55 (54)	(50)		27				E44		44EP			848	1690	2260	3180	3810
M39	60 (58)	(55)		(27)									1100	2190	2920	4110	4930
M42	65 (63)			32									1350	2710	3610	5080	6080
M45	70 (67)			(32)									1700	3400	4540	6370	7630
M48	75 (71)			36									2030	4060	5440	7620	9120
M52	80 (77)			(36)									2640	5290	7040	9880	11800
M56	85			41									3270	6560	8710	12300	14800
M60	90												4080	8180	10900	15300	18300
M64	95			46									4930	9890	13100	18500	22300
M68	(100)												5970	12000	16000	22500	27000

*Reference: Hexagon Head Bolt: ISO 4014-4018, 8676, 8768
High Strength Hexagon Bolt: JIS B 1196
Hexagon Socket Head Cap Screws: ISO 7380
Hexagon Socket Button Head Screws: ISO 7380
Hexagon Socket Set Screws: ISO 4026-4029
TORX T/E: TORX Standard TMH series
TORXPLUS IP/EP: TORXPLUS Standard CMH series
Triple Square: DIN 2324/2325
LHSTIX LH-S/SS: LH-S/SS Standard

* Standard Tightening Torque: Calculated based on Torque Coefficient (K): 0.2
Axial Force (Ff) : 60% of Proof Strength(σ)

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LHstix® est une marque déposée de **OSG SYSTEM PRODUCTS CO., LTD.**

TORX® BITS(T/TH)

	S1 (mm)	S2 (mm)
T6	1.7	1.2
T7	2.0	1.4
T8	2.3	1.7
T9	2.5	1.8
T10	2.7	2.0
T15	3.3	2.3
T20	3.9	2.8
T25	4.5	3.2
T27	5.0	3.6
T30	5.6	4.0
T40	6.7	4.8
T45	7.9	5.6
T50	8.9	6.2
T55	11.3	8.0
T60	13.3	9.5
T70	15.6	11.1
T80	17.6	12.7
T90	20.0	14.2
T100	22.2	15.8

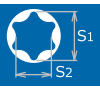
TORX PLUS® BITS(IP)

	S1 (mm)	S2 (mm)
6IP	1.7	1.3
7IP	2.0	1.5
8IP	2.3	1.8
9IP	2.5	1.9
10IP	2.7	2.1
15IP	3.3	2.5
20IP	3.9	3.0
25IP	4.5	3.4
27IP	5.0	3.9
30IP	5.6	4.3
40IP	6.7	5.2
45IP	7.9	6.2
50IP	8.9	6.9
55IP	11.3	9.0
60IP	13.3	10.4
70IP	15.6	12.3
80IP	17.6	13.7
90IP	20.0	15.7
100IP	22.2	17.5

TORX PLUS® Tamper-Resistant BITS(IPR)

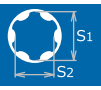
	S1 (mm)	S2 (mm)
8IPR	2.2	2.0
9IPR	2.4	2.2
10IPR	2.6	2.4
15IPR	3.1	2.8
20IPR	3.6	3.3
25IPR	4.1	3.8
27IPR	4.7	4.3
30IPR	5.2	4.8
40IPR	6.3	5.7
45IPR	7.4	6.7
50IPR	8.4	7.6
55IPR	10.6	9.7

TORX® SOCKETS(E)



	S1 (mm)	S2 (mm)
E4	3.7	2.7
E5	4.6	3.3
E6	5.6	4.0
E7	6.1	4.3
E8	7.4	5.3
E10	9.3	6.8
E11	9.9	7.1
E12	11.0	7.9
E14	12.8	9.2
E16	14.6	10.5
E18	16.5	11.9
E20	18.3	13.2
E22	20.1	14.8
E24	22.0	15.7
E26	23.7	17.5
E28	25.5	18.3
E30	27.3	20.0
E32	29.0	21.3

TORX PLUS® SOCKETS(EP/EPL)



	S1 (mm)	S2 (mm)
4EP	3.7	2.9
5EP	4.6	3.5
6EP	5.6	4.3
7EP	6.1	4.7
8EP	7.4	5.7
10EP	9.3	7.1
11EP	9.9	7.6
12EP	11.0	8.5
14EP	12.8	9.8
16EP	14.6	11.2
18EP	16.5	12.7
20EP	18.3	14.0
22EP	20.1	15.4
24EP	22.0	16.8
26EP	23.7	18.2
28EP	25.5	19.6
30EP	27.3	20.9
32EP	29.0	22.3

TORX PLUS® Tamper-Resistent SOCKETS(EPR/EPRL)

	S1 (mm)	S2 (mm)
10EPR	8.7	8.1
11EPR	9.4	8.6
12EPR	10.4	9.6
14EPR	12.1	11.1
16EPR	13.8	12.7
20EPR	17.3	15.8
22EPR	19.0	17.4
24EPR	20.7	19.0
26EPR	22.4	20.0
28EPR	24.1	22.0
30EPR	25.7	23.6
32EPR	27.4	25.1

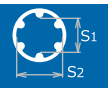
XZN BITS

	S1 (mm)	S2 (mm)
M4	3.6	3.1
M5	4.8	4.1
M6	6.1	5.1
M8	7.3	6.1
M10	9.7	8.1
M12	11.5	9.7
M14	13.3	11.2
M16	15.7	13.2
M18	16.9	14.2

Ribe CV BITS

	W (mm)	S1 (mm)	S2 (mm)
M5	1.2	5.0	3.8
M6	1.3	6.0	4.5
M7	1.4	7.0	5.0
M8	1.8	8.0	6.0
M9	2.0	9.0	7.1
M10	2.3	10.0	7.4
M12	2.6	12.0	9.0
M13	3.1	13.0	11.0
M14	3.2	14.0	10.4
M16	3.6	16.0	11.9

LHstix® LH-S SOCKETS



	S1 (mm)	S2 (mm)
LH3S	3.8	4.7
LH4S	4.5	6.0
LH5S	5.6	7.5
LH6S	6.8	9.0
LH7S	7.9	10.5
LH8S	9.0	12.0
LH10S	11.3	15.0
LH12S	13.6	18.0
LH14S	15.8	21.0
LH16S	18.1	24.0

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LHstix® est une marque déposée de **OSG SYSTEM PRODUCTS CO., LTD.**

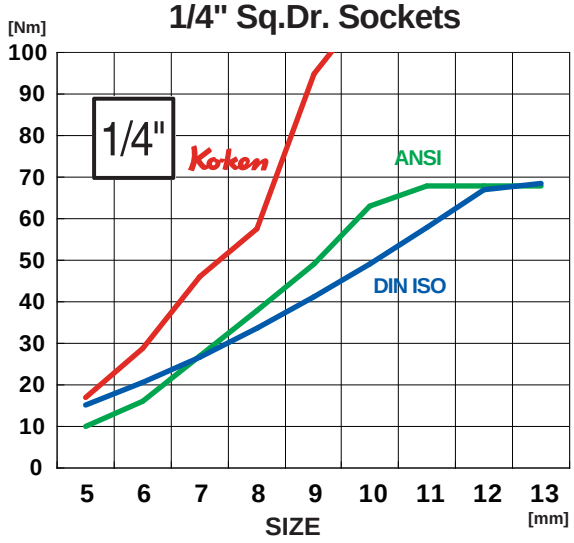
Conversion Table: American Inches-Decimal Inches-Millimeter

in	dec.in.	0"	1"	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"
		Millimeter(mm)											
	0	0	25.4000	50.8000	76.2000	101.6000	127.0000	152.4000	177.8000	203.2000	228.6000	254.0000	279.4000
1/64	0.01563	0.3969	25.7969	51.1969	76.5969	101.9969	127.3969	152.7969	178.1969	203.5969	228.9969	254.3969	279.7969
1/32	0.03125	0.7938	26.1938	51.5938	76.9938	102.3938	127.7938	153.1938	178.5938	203.9938	229.3938	254.7938	280.1938
3/64	0.04688	1.1906	26.5906	51.9906	77.3906	102.7906	128.1906	153.5906	178.9906	204.3906	229.7906	255.1906	280.5906
1/16	0.06250	1.5875	26.9875	52.3875	77.7875	103.1875	128.5875	153.9875	179.3875	204.7875	230.1875	255.5875	280.9875
5/64	0.07813	1.9844	27.3844	52.7844	78.1844	103.5844	128.9844	154.3844	179.7844	205.1844	230.5844	255.9844	281.3844
3/32	0.09375	2.3813	27.7813	53.1813	78.5813	103.9813	129.3813	154.7813	180.1813	205.5813	230.9813	256.3813	281.7813
7/64	0.10938	2.7781	28.1781	53.5781	78.9781	104.3781	129.7781	155.1781	180.5781	205.9781	231.3781	256.7781	282.1781
1/8	0.12500	3.1750	28.5750	53.9750	79.3750	104.7750	130.1750	155.5750	180.9750	206.3750	231.7750	257.1750	282.5750
9/64	0.14063	3.5719	28.9719	54.3719	79.7719	105.1719	130.5719	155.9719	181.3719	206.7719	232.1719	257.5719	282.9719
5/32	0.15625	3.9688	29.3688	54.7688	80.1688	105.5688	130.9688	156.3688	181.7688	207.1688	232.5688	257.9688	283.3688
11/64	0.17188	4.3656	29.7656	55.1656	80.5656	105.9656	131.3656	156.7656	182.1656	207.5656	232.9656	258.3656	283.7656
3/16	0.18750	4.7625	30.1625	55.5625	80.9625	106.3625	131.7625	157.1625	182.5625	207.9625	233.3625	258.7625	284.1625
13/64	0.20313	5.1594	30.5594	55.9594	81.3594	106.7594	132.1594	157.5594	182.9594	208.3594	233.7594	259.1594	284.5594
7/32	0.21875	5.5563	30.9563	56.3563	81.7563	107.1563	132.5563	157.9563	183.3563	208.7563	234.1563	259.5563	284.9563
15/64	0.23438	5.9531	31.3531	56.7531	82.1531	107.5531	132.9531	158.3531	183.7531	209.1531	234.5531	259.9531	285.3531
1/4	0.25000	6.3500	31.7500	57.1500	82.5500	107.9500	133.3500	158.7500	184.1500	209.5500	234.9500	260.3500	285.7500
17/64	0.26563	6.7469	32.1469	57.5469	82.9469	108.3469	133.7469	159.1469	184.5469	209.9469	235.3469	260.7469	286.1469
9/32	0.28125	7.1438	32.5438	57.9438	83.3438	108.7438	134.1438	159.5438	184.9438	210.3438	235.7438	261.1438	286.5438
19/64	0.29688	7.5406	32.9406	58.3406	83.7406	109.1406	134.5406	159.9406	185.3406	210.7406	236.1406	261.5406	286.9406
5/16	0.31250	7.9375	33.3375	58.7375	84.1375	109.5375	134.9375	160.3375	185.7375	211.1375	236.5375	261.9375	287.3375
21/64	0.32813	8.3344	33.7344	59.1344	84.5344	109.9344	135.3344	160.7344	186.1344	211.5344	236.9344	262.3344	287.7344
11/32	0.34375	8.7313	34.1313	59.5313	84.9313	110.3313	135.7313	161.1313	186.5313	211.9313	237.3313	262.7313	288.1313
23/64	0.35938	9.1281	34.5281	59.9281	85.3281	110.7281	136.1281	161.5281	186.9281	212.3281	237.7281	263.1281	288.5281
3/8	0.37500	9.5250	34.9250	60.3250	85.7250	111.1250	136.5250	161.9250	187.3250	212.7250	238.1250	263.5250	288.9250
25/64	0.39063	9.9219	35.3219	60.7219	86.1219	111.5219	136.9219	162.3219	187.7219	213.1219	238.5219	263.9219	289.3219
13/32	0.40625	10.3188	35.7188	61.1188	86.5188	111.9188	137.3188	162.7188	188.1188	213.5188	238.9188	264.3188	289.7188
27/64	0.42188	10.7156	36.1156	61.5156	86.9156	112.3156	137.7156	163.1156	188.5156	213.9156	239.3156	264.7156	290.1156
7/16	0.43750	11.1125	36.5125	61.9125	87.3125	112.7125	138.1125	163.5125	188.9125	214.3125	239.7125	265.1125	290.5125
29/64	0.45313	11.5094	36.9094	62.3094	87.7094	113.1094	138.5094	163.9094	189.3094	214.7094	240.1094	265.5094	290.9094
15/32	0.46875	11.9063	37.3063	62.7063	88.1063	113.5063	138.9063	164.3063	189.7063	215.1063	240.5063	265.9063	291.3063
31/64	0.48438	12.3031	37.7031	63.1031	88.5031	113.9031	139.3031	164.7031	190.1031	215.5031	240.9031	266.3031	291.7031
1/2	0.50000	12.7000	38.1000	63.5000	88.9000	114.3000	139.7000	165.1000	190.5000	215.9000	241.3000	266.7000	292.1000
33/64	0.51563	13.0969	38.4969	63.8969	89.2969	114.6969	140.0969	165.4969	190.8969	216.2969	241.6969	267.0969	292.4969
17/32	0.53125	13.4938	38.8938	64.2938	89.6938	115.0938	140.4938	165.8938	191.2938	216.6938	242.0938	267.4938	292.8938
35/64	0.54688	13.8906	39.2906	64.6906	90.0906	115.4906	140.8906	166.2906	191.6906	217.0906	242.4906	267.8906	293.2906
9/16	0.56250	14.2875	39.6875	65.0875	90.4875	115.8875	141.2875	166.6875	192.0875	217.4875	242.8875	268.2875	293.6875
37/64	0.57813	14.6844	40.0844	65.4844	90.8844	116.2844	141.6844	167.0844	192.4844	217.8844	243.2844	268.6844	294.0844
19/32	0.59375	15.0813	40.4813	65.8813	91.2813	116.6813	142.0813	167.4813	192.8813	218.2813	243.6813	269.0813	294.4813
39/64	0.60938	15.4781	40.8781	66.2781	91.6781	117.0781	142.4781	167.8781	193.2781	218.6781	244.0781	269.4781	294.8781
5/8	0.62500	15.8750	41.2750	66.6750	92.0750	117.4750	142.8750	168.2750	193.6750	219.0750	244.4750	269.8750	295.2750
41/64	0.64063	16.2719	41.6719	67.0719	92.4719	117.8719	143.2719	168.6719	194.0719	219.4719	244.8719	270.2719	295.6719
21/32	0.65625	16.6688	42.0688	67.4688	92.8688	118.2688	143.6688	169.0688	194.4688	219.8688	245.2688	270.6688	296.0688
43/64	0.67188	17.0656	42.4656	67.8656	93.2656	118.6656	144.0656	169.4656	194.8656	220.2656	245.6656	271.0656	296.4656
11/16	0.68750	17.4625	42.8625	68.2625	93.6625	119.0625	144.4625	169.8625	195.2625	220.6625	246.0625	271.4625	296.8625
45/64	0.70313	17.8594	43.2594	68.6594	94.0594	119.4594	144.8594	170.2594	195.6594	221.0594	246.4594	271.8594	297.2594
23/32	0.71875	18.2563	43.6563	69.0563	94.4563	119.8563	145.2563	170.6563	196.0563	221.4563	246.8563	272.2563	297.6563
47/64	0.73438	18.6531	44.0531	69.4531	94.8531	120.2531	145.6531	171.0531	196.4531	221.8531	247.2531	272.6531	298.0531
3/4	0.75000	19.0500	44.4500	69.8500	95.2500	120.6500	146.0500	171.4500	196.8500	222.2500	247.6500	273.0500	298.4500
49/64	0.76563	19.4469	44.8469	70.2469	95.6469	121.0469	146.4469	171.8469	197.2469	222.6469	248.0469	273.4469	298.8469
25/32	0.78125	19.8438	45.2438	70.6438	96.0438	121.4438	146.8438	172.2438	197.6438	223.0438	248.4438	273.8438	299.2438
51/64	0.79688	20.2406	45.6406	71.0406	96.4406	121.8406	147.2406	172.6406	198.0406	223.4406	248.8406	274.2406	299.6406
13/16	0.81250	20.6375	46.0375	71.4375	96.8375	122.2375	147.6375	173.0375	198.4375	223.8375	249.2375	274.6375	300.0375
53/64	0.82813	21.0344	46.4344	71.8344	97.2344	122.6344	148.0344	173.4344	198.8344	224.2344	249.6344	275.0344	300.4344
27/32	0.84375	21.4313	46.8313	72.2313	97.6313	123.0313	148.4313	173.8313	199.2313	224.6313	250.0313	275.4313	300.8313
55/64	0.85938	21.8281	47.2281	72.6281	98.0281	123.4281	148.8281	174.2281	199.6281	225.0281	250.4281	275.8281	301.2281
7/8	0.87500	22.2250	47.6250	73.0250	98.4250	123.8250	149.2250	174.6250	200.0250	225.4250	250.8250	276.2250	301.6250
57/64	0.89063	22.6219	48.0219	73.4219	98.8219	124.2219	149.6219	175.0219	200.4219	225.8219	251.2219	276.6219	302.0219
29/32	0.90625	23.0188	48.4188	73.8188	99.2188	124.6188	150.0188	175.4188	200.8188	226.2188	251.6188	277.0188	302.4188
59/64	0.92188	23.4156	48.8156	74.2156	99.6156	125.0156	150.4156	175.8156	201.2156	226.6156	252.0156	277.4156	302.8156
15/16	0.93750	23.8125	49.2125	74.6125	100.0125	125.4125	150.8125	176.2125	201.6125	227.0125	252.4125	277.8125	303.2125
61/64	0.95313	24.2094	49.6094	75.0094	100.4094	125.8094	151.2094	176.6094	202.0094	227.4094	252.8094	278.2094	303.6094
31/32	0.96875	24.6063	50.0063	75.4063	100.8063	126.2063	151.6063	177.0063	202.4063	227.8063	253.2063	278.6063	304.0063
63/64	0.98438	25.0031	50.4031	75.8031	101.2031	126.6031	152.0031	177.4031	202.8031	228.2031	253.6031	279.0031	304.4031

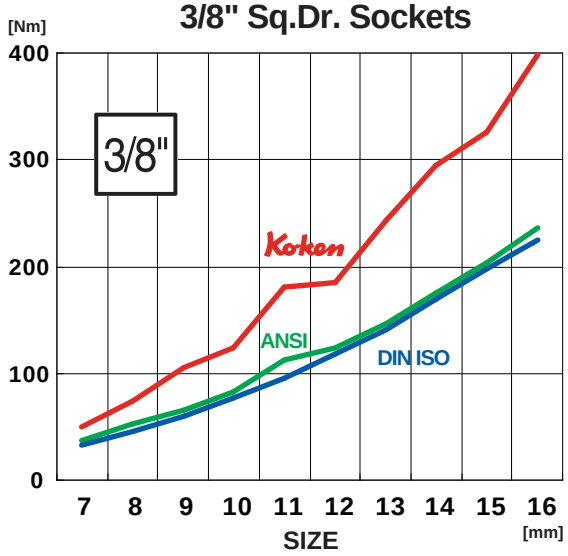
in.	dec.in.	12"	13"	14"	15"	16"	17"	18"	19"	20"	21"	22"	23"
		Millimeter(mm)											
	0	304.8000	330.2000	355.6000	381.0000	406.4000	431.8000	457.2000	482.6000	508.0000	533.4000	558.8000	584.2000
1/32	0.03125	305.5938	330.9938	356.3938	381.7938	407.1938	432.5938	457.9938	483.3938	508.7938	534.1938	559.5938	584.9938
1/16	0.06250	306.3875	331.7875	357.1875	382.5875	407.9875	433.3875	458.7875	484.1875	509.5875	534.9875	560.3875	585.7875
3/32	0.09375	307.1813	332.5813	357.9813	383.3813	408.7813	434.1813	459.5813	484.9813	510.3813	535.7813	561.1813	586.5813
1/8	0.12500	307.9750	333.3750	358.7750	384.1750	409.5750	434.9750	460.3750	485.7750	511.1750	536.5750	561.9750	587.3750
5/32	0.15625	308.7688	334.1688	359.5688	384.9688	410.3688	435.7688	461.1688	486.5688	511.9688	537.3688	562.7688	588.1688
3/16	0.18750	309.5625	334.9625	360.3625	385.7625	411.1625	436.5625	461.9625	487.3625	512.7625	538.1625	563.5625	588.9625
7/32	0.21875	310.3563	335.7563	361.1563	386.5563	411.9563	437.3563	462.7563	488.1563	513.5563	538.9563	564.3563	589.7563
1/4	0.25000	311.1500	336.5500	361.9500	387.3500	412.7500	438.1500	463.5500	488.9500	514.3500	539.7500	565.1500	590.5500
9/32	0.28125	311.9438	337.3438	362.7438	388.1438	413.5438	438.9438	464.3438	489.7438	515.1438	540.5438	565.9438	591.3438
5/16	0.31250	312.7375	338.1375	363.5375	388.9375	414.3375	439.7375	465.1375	490.5375	515.9375	541.3375	566.7375	592.1375
11/32	0.34375	313.5313	338.9313	364.3313	389.7313	415.1313	440.5313	465.9313	491.3313	516.7313	542.1313	567.5313	592.9313
3/8	0.37500	314.3250	339.7250	365.1250	390.5250	415.9250	441.3250	466.7250	492.1250	517.5250	542.9250	568.3250	593.7250
13/32	0.40625	315.1188	340.5188	365.9188	391.3188	416.7188	442.1188	467.5188	492.9188	518.3188	543.7188	569.1188	594.5188
7/16	0.43750	315.9125	341.3125	366.7125	392.1125	417.5125	442.9125	468.3125	493.7125	519.1125	544.5125	569.9125	595.3125
15/32	0.46875	316.7063	342.1063	367.5063	392.9063	418.3063	443.7063	469.1063	494.5063	519.9063	545.3063	570.7063	596.1063
1/2	0.50000	317.5000	342.9000	368.3000	393.7000	419.1000	444.5000	469.9000	495.3000	520.7000	546.1000	571.5000	596.9000
17/32	0.53125	318.2938	343.6938	369.0938	394.4938	419.8938	445.2938	470.6938	496.0938	521.4938	546.8938	572.2938	597.6938
9/16	0.56250	319.0875	344.4875	369.8875	395.2875	420.6875	446.0875	471.4875	496.8875	522.2875	547.6875	573.0875	598.4875
19/32	0.59375	319.8813	345.2813	370.6813	396.0813	421.4813	446.8813	472.2813	497.6813	523.0813	548.4813	573.8813	599.2813
5/8	0.62500	320.6750	346.0750	371.4750	396.8750	422.2750	447.6750	473.0750	498.4750	523.8750	549.2750	574.6750	600.0750
21/32	0.65625	321.4688	346.8688	372.2688	397.6688	423.0688	448.4688	473.8688	499.2688	524.6688	550.0688	575.4688	600.8688
11/16	0.68750	322.2625	347.6625	373.0625	398.4625	423.8625	449.2625	474.6625	500.0625	525.4625	550.8625	576.2625	601.6625
23/32	0.71875	323.0563	348.4563	373.8563	399.2563	424.6563	450.0563	475.4563	500.8563	526.2563	551.6563	577.0563	602.4563
3/4	0.75000	323.8500	349.2500	374.6500	400.0500	425.4500	450.8500	476.2500	501.6500	527.0500	552.4500	577.8500	603.2500
25/32	0.78125	324.6438	350.0438	375.4438	400.8438	426.2438	451.6438	477.0438	502.4438	527.8438	553.2438	578.6438	604.0438
13/16	0.81250	325.4375	350.8375	376.2375	401.6375	427.0375	452.4375	477.8375	503.2375	528.6375	554.0375	579.4375	604.8375
27/32	0.84375	326.2313	351.6313	377.0313	402.4313	427.8313	453.2313	478.6313	504.0313	529.4313	554.8313	580.2313	605.6313
7/8	0.87500	327.0250	352.4250	377.8250	403.2250	428.6250	454.0250	479.4250	504.8250	530.2250	555.6250	581.0250	606.4250
29/32	0.90625	327.8188	353.2188	378.6188	404.0188	429.4188	454.8188	480.2188	505.6188	531.0188	556.4188	581.8188	607.2188
15/16	0.93750	328.6125	354.0125	379.4125	404.8125	430.2125	455.6125	481.0125	506.4125	531.8125	557.2125	582.6125	608.0125
31/32	0.96875	329.4063	354.8063	380.2063	405.6063	431.0063	456.4063	481.8063	507.2063	532.6063	558.0063	583.4063	608.8063

Koken MAXIMUM TORQUES | DIN ISO STANDARDS | ANSI STANDARDS

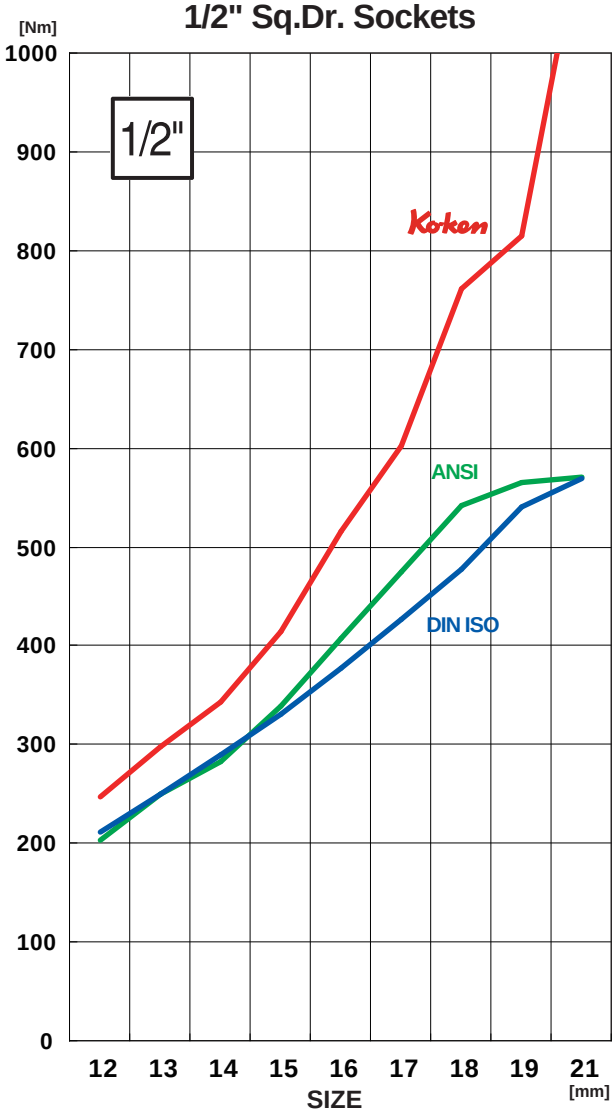
1/4" Sq.Dr. Sockets



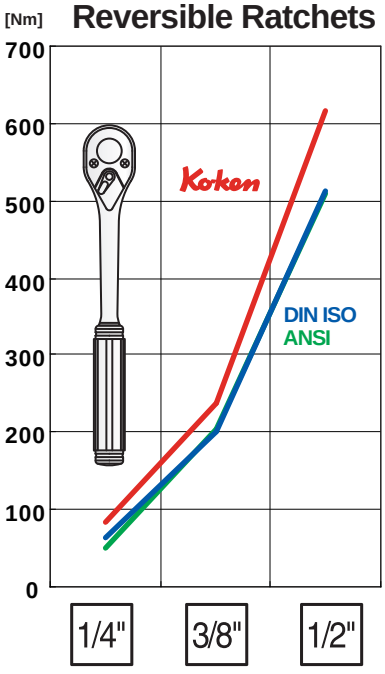
3/8" Sq.Dr. Sockets



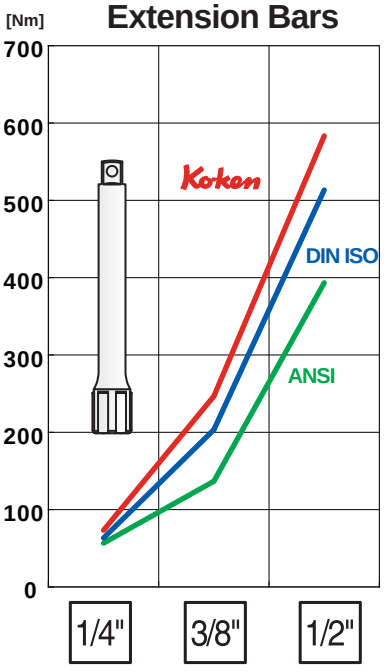
1/2" Sq.Dr. Sockets



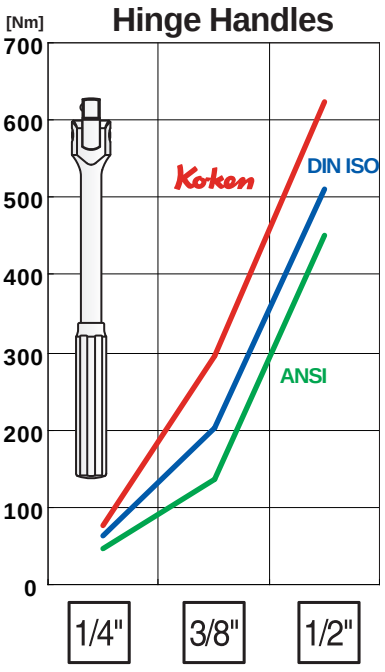
Reversible Ratchets



Extension Bars



Hinge Handles



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